

The Ninety-third  
Annual Catalogue  
of  
Denison University  
For the Year 1923-1924



GRANVILLE, OHIO  
1924

For information concerning Granville and Shepardson Colleges

Address

CLARENCE M. EDDY, SECRETARY

Granville, Ohio

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The Conservatory of Music

KARL H. ESCHMAN, DIRECTOR

Granville, Ohio

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Doane Academy

H. R. HUNDLEY, DEAN

Granville, Ohio

*All gifts, legacies and bequests for any department of the University or any phase of its work should be made payable to*

**DENISON UNIVERSITY**

*Granville, Ohio.*

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# The University Calendar

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1924		
Spring Recess begins	Wednesday	April 2, 12:00
Spring Recess ends	Wednesday	April 9, 1:30 p.m.
Memorial Day	Friday	May 30
Final Examinations	Monday-Thursday	June 9-12
Graduating Exercises of Doane Academy	Friday	June 13
Alumni Day	Saturday	June 14
Meeting of Board of Trustees	Saturday	June 14
President's Reception	Saturday	June 14
Baccalaureate Sermon	Sunday	June 15
Commencement Day	Monday	June 16
Alumni Dinner	Monday	June 16

## SUMMER VACATION—June 16–September 16

Opening of First Semester	Tuesday	September 16
Registration of New Students		
Registration of Old Students	Wednesday	September 17
Classes Begin	Thursday	September 18
First Convocation, Swasey Chapel	Thursday	Sept. 18, 11:30 a.m.
Armistice Day	Tuesday	November 11
Thanksgiving Recess	Thursday-Friday	November 27-28
Christmas Recess Begins	Friday	Dec. 19, 3:30 p.m.
1925		
Christmas Recess Ends	Tuesday	Jan. 6, 7:30 a.m.
Mid-year Examinations	Tuesday-Friday	January 27-30
First Semester Ends	Friday	January 30
Opening of Second Semester	Monday	Feb. 2, 7:30 a.m.
Washington's Birthday (Founder's Day)	Sunday	February 22
Spring Recess Begins	Wednesday	April 1, 12:00
Spring Recess Ends	Wednesday	April 8, 1:30 p.m.
Memorial Day (Holiday)	Saturday	May 30
Final Examinations	Monday-Thursday	June 8-11
Commencement Day	Monday	June 15

## Board of Trustees

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MILLARD BRELSFORD, D.D., SECRETARY.

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### MEMBERS

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*President of the University*

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AMBROSE SWASEY, Sc.D. ....Cleveland  
TORRENCE HUFFMAN, A.B. ....Dayton  
VINTON R. SHEPARD, A.M. ....Cincinnati  
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BURTON CASE, ESQ.....	Granville
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WALLACE H. CATHCART, B.S.....	Cleveland
PROFESSOR OSMAN C. HOOPER, A.M., L.H.D.....	Columbus
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FREDERICK P. BEAVER.....Term expires 1924

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*Professor Emeritus of the Romance Languages*

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*Professor Emeritus of English Literature and Rhetoric*

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*Dean of Doane Academy*

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*Professor of Modern Languages*

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*Professor of Botany*

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*Professor of Astronomy and Director of the Swasey Observatory*

FORBES B. WILEY, A.B., PH.D.,  
*Benjamin Barney Professor of Mathematics*

CLARENCE D. COONS, M.S.,  
*Henry Chisholm Professor of Physics*

THEODORE S. JOHNSON, M.S., C.E.,  
*Professor of Civil Engineering*

THOMAS A. LEWIS, A.B., PH.D.,  
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*Professor of Chemistry*

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*Professor of Physical Education*

KIRTLEY F. MATHER, B.S., Ph.D.,

*Professor of Geology*

(ON LEAVE FIRST SEMESTER 1923-24)

KARL H. ESCHMAN, A.M.,

*Professor of Music and Director of the Conservatory*

FREDERICK G. DETWEILER, A.M., Ph.D.,

*Professor of Sociology*

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*Eliam E. Barney Professor of Latin Language and Literature*

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*Professor of Christian Education*

*Dean of Granville College*

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*Professor of History*

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*Professor of Zoology*

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*Professor of Military Science and Tactics*

KATE S. HINES, A.M.,

*Librarian Emeritus*

MARY E. DOWNEY, A.B.,

*Librarian*

ANNA B. PECKHAM, A.M.,

*Associate Professor of Mathematics*

AUGUST ODEBRECHT, A.M.,

*Associate Professor of Modern Languages*

ANNIE M. MACNEILL, A.M.,

*Associate Professor of English*

EVERETT P. JOHNSTON, A.M.,

*Assistant Professor of Public Speaking*

C. HENRY DICKERMAN, A.B.,  
*Assistant Professor of English*

ERI J. SHUMAKER, A.M.,  
*Assistant Professor of English*

W. ALFRED EVERHART, M.S.,  
*Assistant Professor of Chemistry*

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*Assistant Professor of Mathematics*  
(ON LEAVE, 1923-24)

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*Assistant Professor of Military Science and Tactics*

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*Assistant Professor of Classics*

FANNIE J. FARRAR,  
*Assistant Professor of Piano*

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*Assistant Professor of Modern Languages*

JOHN J. GEORGE, JR., A.M.,  
*Assistant Professor of Political Science*

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RUTH ATWELL, A.M.,  
*Assistant Professor of Physical Education*  
(ON LEAVE 1923-24)

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*Assistant Professor of English*

HIRAM L. JOME, A.M.,  
*Assistant Professor of Economics*

JESSIE D. CRAWFORD, B.R.E.,  
*Assistant Professor of Christian Education*

## DENISON UNIVERSITY

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*Assistant Professor of English*

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MARY R. FITCH,  
*Instructor in Voice*

EDGAR VEITH,  
*Instructor in Voice*

ROWLAND P. DOWNING, MUS.B.,  
*Instructor in Organ*

MARTHA LOUGH,  
*Instructor in Public School Music*

WILLIAM M. WELLS,  
*Instructor in Violoncello*

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*Secretary of the University*

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*Dean of Granville College*

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*Dean of Doane Academy*

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MRS. MINNIE MILLER,  
*Assistant to the Treasurer*

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*Assistant to the Recorder*

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L. R. Dean	C. T. Brumback	A. M. MacNeill

### *Committee on High School Oratorical Contests*

C. H. Dickerman	E. J. Shumaker	C. M. Eddy
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F. B. Wiley

M. E. Downey

T. A. Lewis  
L. R. Dean

*Committee on Music*

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F. G. Detweiler  
M. R. Fitch

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C. D. Coons

A. B. Peckham  
H. R. Hundley

F. G. Detweiler  
A. K. Mather

*Committee on Research*

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K. F. Mather

P. Biefeld

A. W. Lindsey  
F. B. Wiley

*Committee on Rules and Regulations*

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A. M. MacNeill

M. E. Stickney  
W. A. Everhart

*Committee on Schedule*

A. K. Mather  
P. Biefeld

C. D. Coons  
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*Committee on Student Affairs*

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G. P. Knox

C. T. Brumback  
A. B. Peckham

*Committee on Student Aid*

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C. T. Brumback  
H. R. Hundley  
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A. K. Mather

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G. P. Knox

A. B. Peckham

T. A. Lewis  
K. H. Eschman

# DENISON UNIVERSITY

## HISTORY

The foundation of Denison University was laid in deep religious convictions. The institution dates back to 1831, an eventful year in the moral and material progress of the central west. The leaders of the Baptist denomination in Ohio, recognizing the need of well-educated men in that era of rapid advance, were inspired to organize the Ohio Baptist Education Society, with the express purpose of founding a "Literary and Theological Seminary." At the Society's first annual meeting held at Lancaster on May 26, 1831, it was voted to locate the new institution at Granville, a town favorably known for its New England spirit. A site was secured and the actual work of instruction began in December of the same year. The purpose of the founders, as expressed in an address of the next year, was "to furnish the means of obtaining a thorough classical and English education, which shall not be inferior to what can be obtained in any institution, of whatever name, in the western country."

The enterprise embraced at first some features of an agricultural college, occupying a farm one mile southwest of town. But these features were soon abolished as impractical in connection with collegiate instruction. The theological department was also subsequently abandoned.

In 1856 the present site on the hill north of town was secured and the college was moved to the new location. This was the beginning of more rapid growth. A small endowment fund was raised, and the name was changed to Denison University. The College was fortunate in having the service of some educational enthusiasts in the Faculty and the Board of Trustees, who brought it successfully through the trying experiences of the early years.

In the period following the Civil War the institution grew more rapidly. The endowment fund was doubled, reaching the sum of \$100,000, and several buildings were added to the equip-

ment. The curriculum was extended, and faculty and students increased in numbers.

In 1887 a private school for young women, which had existed side by side with the College since the early days, was affiliated with the latter. In honor of its donor, a most zealous advocate of women's education, the new educational plant was named Shepardson College for Women. The Baptist denomination accepted the generous gift and raised an endowment for its support. The women students shared the library and other facilities of the men's institution, but maintained a separate organization. The trend was towards a closer union, which was accomplished in 1900 by the co-ordination of Shepardson College with Denison University. Its students enjoy the same scholastic advantages as the men of Denison and receive the same recognition on completion of the course.

Provision was made for a musical training in the organization of the Denison Conservatory of Music as a department complete in itself, but affiliated with the collegiate departments.

A preparatory department of the College has always been maintained to furnish the training adequate for entrance to the higher courses. In 1895 this was more definitely established as a complete institution and named Doane Academy.

The University embraces the following departments: Granville College for Men, Shepardson College for Women, The Conservatory of Music, and Doane Academy.

During the last thirty years the University has shared in the general intellectual stimulation and has expanded rapidly in material and scholastic resources. Its standing as one of the strategic institutions of the country has attracted private and public beneficences which have greatly increased its endowment fund and physical equipment. The endowment and other property have more than doubled in the last seven years.

Denison University is a religious institution in the sense that it is fostered by a religious denomination and that its entire life and management are dominated by religious motives. There is no attempt nor desire to force instruction into sectarian channels,

and all advantages are freely offered without any religious distinction. The aim of the University is to provide a thorough college education under such influences as strengthen Christian faith and build up Christian character.

During the nearly one-hundred years of its existence, the University has been true to the religious and scholastic purposes of its founders. Its religious influence is marked by the large number of graduates who have given their lives to the Christian ministry and to the cause of home and foreign missions. In teaching and in other professions, as well as in commercial and industrial pursuits, Denison is worthily represented by many alumni.

Denison's record in the World War reflects the loyal spirit which has always characterized the institution during times of national stress. The University and its equipment were put at the service of the Government, and the work was adapted to military ends. Scores of students left the college halls for military camps, and hundreds of graduates entered into all branches of the Army and Navy. The record of their service forms an honorable chapter in the history of the University.

### LOCATION

Granville, the seat of Denison University, is known as a place of rare natural beauty. It is situated in a fertile valley, encompassed by hills of moderate altitude. From College Hill the views of the country-side are most pleasing and inspiring. The town is 27 miles east of Columbus on one of the main thoroughfares of the state. It lies on the Toledo and Ohio Central Division of the New York Central Railway. It is reached by the Pennsylvania Lines and the Baltimore and Ohio Railroad at Newark, 20 minutes distant by interurban service.

Auto-buses maintain half-hourly services with Newark and with Columbus.

Granville is one of the oldest towns in the state, having been settled by colonists from Massachusetts in 1805. From these pioneers it preserves the features of New England life. High

moral and intellectual ideals have always marked the place. Although small, the town enjoys many of the advantages of city life. It has well-equipped churches and modern civic activities. In material equipment it enjoys a pure water-supply, a modern sewerage system, paved streets, and electric lighting for public and domestic purposes.

## GROUPS AND BUILDINGS

### ENDOWMENT AND PROPERTY

The total amount of property invested in Denison University is in excess of three and one-half million dollars. Two and one-quarter million dollars of this sum is in income-bearing endowment. The grounds, buildings and equipment are valued at one million two hundred and fifty thousand dollars. Fifteen major buildings are owned and occupied for purposes of instruction and residence.

### GATES AND WALKS

College Hill, the site of the main buildings of the University, is approached by a winding avenue from the town. At the east entrance to the grounds is an ornamental terrace of brick, with walks leading on either side to the various halls and to the Library. From Shepardson Campus the entrance is through two colonial gateways of brick at either end of a semi-circular walk which leads to the Plaza on the south slope of the hill. These adornments and conveniences of the campus were supplied through the beneficence of Mr. E. J. Barney, L.L.D.

### THE CAMPUS

The campus of Denison University covers an area of 350 acres, having recently been greatly enlarged through the generosity of Colonel Edward A. Deeds, Vice-President of the Board of Trustees. Beginning on West Broadway, it extends one mile to the north, including hillside and valley, woodland and fields. The main axis is formed by a ridge of hills rising 1100 feet above sea

level and affording a prospect unrivalled for beauty in the state. This enlarged campus provides amply for the extensive building projects of the University, and furnishes adequate space for all forms of outdoor recreation. It is being developed according to plans made by landscape architects of the highest standing. In addition to athletic fields a path three miles in length has been constructed, winding through woods and meadows, with rustic houses and equipment at different places for outdoor diversions. An open-air theater is a part of the equipment. In all seventy-five acres are set aside for recreational purposes.

#### RESIDENCE HALLS

**Dormitories for Men**—Two dormitories, Marsh Hall and Talbot Hall, together furnish accommodations for about one hundred and fifty men. They are four-story brick buildings, with modern conveniences, including lavatories on each floor, and are supplied with heat and light from the central power plant. Marsh Hall, which was partially destroyed by fire in 1918, has been fully reconstructed and is leased as the residence hall of the Denison Commons Club.

**Shepardson Dormitories**—Burton Hall, King Hall and Stone Hall, located at the foot of College Hill on the Shepardson quadrangle, facing Broadway, furnish accommodations for one hundred and twenty-eight young women, together with reception parlors, reading rooms, and apartments for Shepardson officers and faculty members. The conservatory building and five additional houses near the campus, owned or leased by the University, accommodate about sixty more. These, together with certain selected private homes in the village, are employed temporarily, pending the erection of residence halls at the east end of College Hill. All the halls, houses and homes are supervised under uniform rules by teachers and matrons, and all the students, wherever housed, board together in Shepardson Commons on the campus.

## ACADEMIC HALLS

**Barney Memorial Hall**—This hall was built and equipped for the college by the late Eugene J. Barney, LL.D., of the Board of Trustees, in memory of his father, Eliam E. Barney, who was one of the most generous and devoted supporters of the institution in its early days. The building is of fireproof structure throughout, and is devoted principally to the departments of Physics, Geology, and Civil Engineering.

**Doane Academy Hall**.—This is a gift of the late Dr. W. H. Doane, member of the Board of Trustees. Although erected primarily for the Academy, much of its space is devoted at present to the College.

The Officers of Administration, including the President, the Secretary, the Recorder, the Treasurer, the Dean of the College, and the Dean of the Academy, occupy offices on the first and second floors. The third floor consists of a large assembly room, seating about 500.

**Swasey Observatory**.—The Observatory was erected in 1909 through the generosity of Ambrose Swasey, Sc.D., former President of the Board of Trustees. It is of white Vermont marble and is equipped with modern astronomical instruments of the best quality.

**Doane Library**.—The main university Library is housed in Doane Hall, a building presented by the late Dr. W. Howard Doane in 1879. It is open to instructors and students in all departments, with free access to the shelves. The overcrowded condition of the present building has brought about the establishment of special collections and reading rooms in many of the departments of the University.

**Men's Gymnasium**.—Cleveland Hall is a modern structure erected to meet the recreational needs of the men. The main part of the building is occupied by a gymnasium, containing a large floor for athletic games and exercises, a running track, swimming pool, and large space for locker rooms. The second

floor contains the assembly room of the Young Men's Christian Association, the Trophy Room and Reading Room. The halls of the Franklin and Calliopean Literary Societies are located on the upper floor.

**Women's Gymnasium.**—The Doane Gymnasium for the young women of Shepardson College was donated by Dr. Doane. It is equipped with swimming pool and has a large floor for class athletics and sports.

**Conservatory of Music.**—The large residence of former Professor A. U. Thresher is used as the main building for the Conservatory of Music.

**Recital Hall.**—Adjoining the Conservatory is the Recital Hall arranged for the public musical recitals. It contains a pipe organ and grand pianos, and is furnished with stage and curtains, and a lantern for motion-pictures.

**Baptist Church.**—The Auditorium of the Baptist Church is used three times weekly until the completion of Swasey Chapel for the assembly of all the students of the University for chapel service.

**Central Heating and Lighting Plant.**—The University is equipped with a modern system of electric lighting and hot-water heating located in a central plant adjoining Cleveland Hall.

#### SWASEY CHAPEL

This edifice, now practically complete, is the first of the new buildings to be erected according to plans for the expansion of the University. It is the gift of Dr. Ambrose Swasey, former President of the Board of Trustees. No expense has been spared to make this Chapel complete in every respect for its purpose. It is colonial in style, faced with six Ionic columns supporting the portico. The graceful tower rises high above the main structure. The construction is fire-proof throughout. The auditorium has a seating capacity of 1300. A complete equipment is provided, including an organ and a set of chimes. Standing in the center of



the group of buildings which the new Denison will occupy, Swasey Chapel emphasizes the supreme place of faith in the educational ideals of the College.

#### BEAVER FIELD

Through the generosity of Mr. F. P. Beaver, a member of the Board of Trustees, this athletic field was provided about twenty years ago and was one of the first to be acquired by an Ohio college. It is used at present as auxiliary to Deeds Field.

#### DEEDS FIELD

The new athletic field, named in honor of the donor, Colonel Edward A. Deeds, has after years of preparation been opened to use and was dedicated November 4, 1922. The football field occupies a natural amphitheater under the shelter of College Hill. It is in the form of an oval, open towards the east, flanked by a concrete stadium with a seating capacity of 6000. The north side of the stadium is constructed so as to enclose a field house, containing dressing-rooms, shower-baths, lockers and other accommodations for the players. A cinder track borders the oval, and outside of this are cement walks, with concrete shelters on either side for the local and visiting teams. Further development of Deeds Field will be carried on, with a view to providing the widest opportunity for outdoor sports. The plans include tennis courts, a baseball field, practice fields for football, baseball and other games. On this and auxiliary fields it is now possible to realize the policy of providing daily exercise of some form for every student of the University.

#### FUTURE BUILDINGS

For several years prominent architects have been engaged on plans for the enlargement and beautifying of the University plant. Several new buildings are needed at once to keep pace with the expansion of the institution. Delay in carrying out the plans has been caused by the exceeding care taken to forecast the best arrangement of buildings for the years to come, and by the high cost

of materials and labor. But it is now hoped that by the centennial year of the University, seven years hence, the enlarged physical plant of the new Denison will be realized. Among the immediate and pressing needs of the institution are a new library building, which would add to the effectiveness of every department of instruction, a chemical laboratory, dormitories for women, and an administration hall. Funds are already in hand for the erection of the Helen Arnett Whistler Memorial Hospital.

### RESERVE OFFICERS' TRAINING CORPS.

Denison is selected by the U. S. Government as one of the institutions in which a military department is established, by Act of Congress, June 3, 1916, for the training of Reserve Officers of the Army. Officers of the regular Army are stationed at Denison and a course in military science and tactics is established, covering four years of theoretical and practical work. Attendance at a summer training camp under actual military conditions is included, the Government furnishing transportation to and from the camp and clothing and subsistence while there. Uniforms and equipment are furnished by the Government. Commutation of rations at the present rate of 30c per day is allowed, and an additional allowance during attendance at camp is paid to all students during their third and fourth year in this course, making a total compensation of about \$220.00 for the two years.

A student who successfully completes this course and accepts a commission in the Officers Reserve Corps may, at his option, be appointed and commissioned by the President of the United States as a temporary second lieutenant of the United States Army for a period not to exceed six months, during which time he will receive the allowance of a second lieutenant and pay at the rate of \$100.00 per month.

### DEPARTMENTAL EQUIPMENT

Denison is a college of liberal arts and sciences. During the past twenty-five years the growth has been rapid in the scientific departments. Without competing with technological schools

the science departments have been developed to that degree that they serve admirably those students who are looking ahead to technical professions. During the same period additional departments of language, history, education and social sciences have been organized, so that the curriculum embraces the subjects of general human interest. A brief survey of the physical equipment of the departments will indicate the resources of the College in these respects.

### PHYSICS

The Department of Physics occupies the first and second floors of Barney Memorial Hall. Thirty-one rooms are devoted to administration, instruction, and laboratory purposes. Photometric and photographic dark rooms and a constant temperature vault are included in the equipment. Several rooms are fitted up for research work and for work in special lines. A complete set of vacuum tubes and modern apparatus for the reception and transmission of wireless signals has recently been installed. A telephone transmitting station licensed under the call WJD, is used for the broadcasting of musical and educational matters.

### GEOLOGY

The Department of Geology occupies the third floor of Barney Hall. The lecture room is supplied with stereopticon and screen, and a collection of 5000 slides. The geographic laboratory contains an unusually fine equipment of maps and relief models and a special case in which are filed several hundred of the topographical sheets of the U. S. States Geological Survey. More than 300 drawers of mineral specimens and fossil collections are available. The department library, named in honor of the late C. K. Gilbert, contains his personal collection of books and pamphlets presented in recognition of the valuable contributions to geology made at Denison.

## CIVIL ENGINEERING

The Department of Civil Engineering occupies the upper floors of Barney Hall. It possesses a full equipment of instruments for field work. For illustrative purposes there is a well selected supply of drawings and specifications of bridges, water systems, and all forms of modern high-way construction. The drafting rooms are well lighted by large sky-lights and furnished with the usual requirements.

## CHEMISTRY

The Chemistry Department has lecture room and laboratories provided for it temporarily in the basement floors of Doane Academy. There are nine rooms, including laboratories for general and advanced Chemistry, stock rooms, office and department library. The equipment is ample for the needs either of the general student or those looking to special training in medicine, pharmacy, industrial chemistry, and chemical engineering.

## BOTANY AND ZOOLOGY

These two departments are located in Talbot Hall. The arrangements include lecture rooms and laboratories for general and advanced classes and facilities for research work. There is opportunity for bacteriological and genetic studies.

The Herbarium embraces representative collections from the United States and Mexico and is especially rich in local flora. The department library includes several botanical and zoological journals, which are accessible to students, besides the regular exchanges of the Denison Scientific Association.

## ASTRONOMY

The equipment of Swasey Observatory is intended both for teaching and also for research work in special lines. The equipment consists of a nine-inch equatorial of the standard Warner and Swasey type, with optical parts by Brashear, a Warner and Swasey position micrometer and wedge photometer, by Cooke

and sons, England. The transit room contains a combined transit and zenith telescope of four-inch aperture. Mean time and sidereal clocks by Riefler are connected by means of a chronograph with both the equatorial and the transit. The library is furnished with standard astronomical periodicals both American and European. The Observatory is equipped with a wireless receiving station.

#### MATHEMATICS

Well-lighted class rooms and offices are occupied by this department in Doane Academy. The special library contains numerous mathematical journals and works available for advanced students.

#### LANGUAGES

The departments of English, Modern Languages, and Latin occupy several class-rooms on the first and second floors of Talbot Hall. Special libraries and reading rooms containing valuable sets of publications and works of reference are included in their equipment. The essential works of general literature are found in the main library.

#### GREEK

The class-room is fitted up with special tables and chairs as the laboratory of Greek. A lantern and views of Greek scenes and archaeology are included in the equipment.

#### PHILOSOPHY AND EDUCATION

Advantages are provided in this work to meet the professional requirements both on the theoretical and practical side for teachers in Ohio. Arrangements are made for practice teaching. A Committee on Appointments, to help intending teachers, is maintained.

## HISTORY AND POLITICAL SCIENCE

Complete set of Harding's Medieval and Modern European History Maps, and Hart-Bolton's American History Maps have recently been added to the collection of maps illustrating political development. The main Library has a well-selected stock of authoritative books in this field, and the supply is increased each year by the purchase of the best works.

## CHRISTIAN EDUCATION

The facilities of the department include a series of modern wall maps, an increasing library equipment, and the opportunity for practical religious service in local churches.

## JOURNALISM

In 1919 instruction in journalism was authorized by the Faculty, and the work was begun the same year. The journalism room is equipped with desks and typewriters, and receives the most important daily papers.

## SOCIOLOGY

This department, recently organized, occupies an office and class-room in Talbot Hall. Material for laboratory and field service is available.

## MILITARY SCIENCE

The Armory is located for the present on the lower floor of Barney Science Hall. Students of this department receive regulation O. D. woolen uniforms and the complete equipment of an infantry soldier of the U. S. Army. The armament consists of Springfield rifles of modern type, together with the following weapons developed during the World War: 4 Browning automatic rifles, 2 Browning machine guns, 1 3-inch Stokes mortar, 1 37-mm. one-pounder cannon, and hand and rifle grenades.

A conveniently located outdoor range affords opportunity for smallbore target practice. A target range, with a limit of 200 yards, is soon to be constructed for the use of service rifle, the automatic rifle, and the machine gun, also for pistol firing.

### DEPARTMENTAL ORGANIZATIONS

The Denison Scientific Association, organized by the late Professor Clarence Luther Herrick in 1887, is not only the oldest departmental organization, but also is the most inclusive in its activities and interests. The Association publishes the *Bulletin of the Scientific Laboratories*, a journal of research, founded by C. L. Herrick. Its merit is recognized by learned societies in all parts of the world, many of whom receive the Bulletin in exchange for their own publications. By this means the Association has built up a valuable collection of scientific works from the leading scientific societies of our own and other countries.

The Association holds bi-weekly meetings, open to all, at which lectures and reports of investigations on current scientific topics are presented by professors of Denison and other institutions. Faculty and students are thus made acquainted with the progress of science in many fields.

Departmental Societies, more or less affiliated with the Scientific Association, and co-operating with it, are maintained by the Departments of Geology, Chemistry, Mathematics, Engineering, Zoology and Botany, History, Classical Languages and Modern Languages. These offer opportunity for the students to present papers and discuss with their professors and fellow students topics not included in the regular courses.

### STUDENT ORGANIZATIONS

A large number of organizations are maintained by the students. They exist for a variety of purposes, which may be grouped in general under six divisions: Administrative, Religious, Literary, Musical, Recreational, and Social. These organizations, in so far as they represent the college in any public way, are

managed by Boards of Control, composed of Faculty members and students and working in close co-operation with the collegiate department most closely allied with each interest.

#### I. ADMINISTRATIVE

The Student Association of Granville College, and a similar association of Shepardson College, were organized under the authority of the Board of Trustees and the Faculty of Denison University for the purpose of self-government. They include all of the students in their membership. They elect their own officers and boards and administer, with few restrictions, the student affairs of the University. The student Councils, composed of the chairmen and representatives of various student organizations and the Faculty, represent the associations in an advisory and executive capacity.

The Honor System is applied in all classes and examinations. It is administered by the Student Association.

#### 2. RELIGIOUS

These include the Y. M. C. A., the Y. W. C. A., the Student Volunteer Band, the Ministerial Association and Student Fellowship for Christian Life Service, all of which co-operate in maintaining the high Christian standards and the wholesome atmosphere of the college. They maintain a comprehensive scheme of Bible and of mission study in connection with the Sunday Schools of the local churches. By means of devotional meetings, of gospel team deputation work, of aid in Americanization work and various other forms of community service, they furnish opportunity for exercising and developing the students' capacity for Christian work. They aid in the financial support of a Denison representative on the mission field in West China and have recently completed arrangements with the Baptist Foreign Mission Board to assume the responsibility for supplying as many as possible of the workers needed for the West China Field.

#### 3. LITERARY

The Calliopean and Franklin Literary Societies for the young men date back to the early days of the college and have assembly



rooms on the upper floor of Cleveland Hall. Other organizations offer like opportunities for literary training.

The Society of Debate and Oratory is composed of students who show excellence in public speaking. The Society holds public debates with other colleges.

The Denisonian, the weekly college paper, The Adytum, the college annual, and the The Flamingo, a monthly, are published by the students.

The Masquers is the college dramatic club. Modern dramas are studied and several public performances are given during the year. Admission to membership is by competition.

#### 4. MUSICAL

The Denison Glee Club for men, the Shepardson Glee Club for women, the College Band, the University Orchestra, the Engwerson Choral Society and the chapel and church choirs furnish large opportunity for the exercise and development of the students' musical talents. (For fuller description see under Conservatory of Music, p. 92)

#### 5. RECREATIONAL

The Student Association for men and The Shepardson Athletic Association for women are in control of the inter-collegiate and intra-mural sports. They provide not only the special teams for the usual athletic contests, but also general games and exercises suitable for the recreational and physical needs of all the students. Greater facilities in this respect are made possible by the opening of Deeds Field.

#### 6. SOCIAL

Fraternities, some of them established here more than fifty years ago, Sororities, The Denison Commons Club, and the Shepardson Club, represent the social side and, in the case of the men, provide living arrangements. Other groups, such as the Cosmopolitan Club, reflect the varied interests of college life.

## SCHOLASTIC AWARDS

## 1. PHI BETA KAPPA

The Phi Beta Kappa Society was founded nearly one hundred and fifty years ago for the purpose of recognizing and encouraging scholarly ideals among college students. The chapter at Denison, known as Theta of Ohio, was instituted in January, 1911 upon the granting of a charter by the Senate and National Council of the Society. New members are elected each year, principally from the seniors, but a few from the juniors, from those who have the highest standing in scholarship in their respective classes.

## 2. HONORS

1. Annual Honors. Annual honors are awarded at the end of each year to the members of each class according to the following standard: Not less than twenty-four hours of A grade the remainder not lower than B grade. The total number of hours for the year shall not be less than thirty-two except when courses 1, 2, 3, or 4 in physical education are being taken, in which case the total number of hours exclusive of these courses should not be less than thirty. Grades made in these required courses in physical education are not to be counted in competing for annual Honors.

2. General Honors. General Honors are awarded at graduation only, according to the following standard: Ninety-three or more hours of A grade, the remainder not lower than B grade. Grades made in physical education 1, 2, 3, or 4, are not to be counted in competing for General Honors.

3. Departmental Honors. Departmental Honors are awarded at graduation only, to those who have obtained a standing of A in one or more departments in courses amounting to not less than twenty-four semester hours, provided that there shall have been no grade less than B in any other courses which may have been taken in the department.

4. Special Honors. Special Honors are awarded at graduation only, according to the following plan: Any regularly classified student who has maintained an A rank in not less than half of his work during five successive semesters of the freshman, sophomore, and first half of junior years, and who has not fallen below C in any single study may with the consent of the faculty be enrolled as a student for honors in some selected department of study.

Application for such enrollment shall be made prior to the spring vacation of the junior year. If the application be granted the professor in charge of the department selected shall assign work to the applicant substantially equal in amount to a three hour study for the year.

The student shall be examined on this work prior to the spring vacation of the senior year. The examination shall be conducted under the direction of the professors in charge, assisted by some other member of the faculty to be appointed by the president, and in addition to the special assignment the examination shall cover, in a general way, all other work which the applicant has taken in the same department.

During the interval between enrollment for honors and examination the student must make an A rank in all work done in the department to which his special study belongs, and must not fall below B in any other department. He must also maintain unblemished record in the department.

Work done for Special honors must not be elementary in its character and in no case shall it be the only work done in the department in which it is taken. Advanced elective courses all ready offered may be utilized as honor courses, or special topics may be assigned to suit individual cases but in no case shall work upon which special honors are bestowed be counted as any part of the student's requirements for his degree.

All honors duly earned shall entitle the student to have his name placed upon the records of the University with the statement of the Honors which he has received, and the fact shall be engrossed upon his Diploma, announced on Commencement Day, and published in the Annual Catalog.

## 3. RHODES SCHOLARSHIPS

Men who have completed their sophomore year at Denison University are eligible to compete for the Cecil Rhodes Scholarships, tenable for three years at Oxford University, England, with a stipend of \$1500 each year. These scholarships are awarded on the combined basis of character, scholarship, athletics, and leadership in extra-curriculum activities. Further information may be obtained from the Secretary of the Rhodes Scholarship Committee of Selection for Ohio, Professor Leigh Alexander, Oberlin College, Oberlin, Ohio.

## 4. PRIZES

(a) The Lewis Literary Prize Contest. These prizes were given to the Franklin and Calliopean literary societies by Mr. Charles T. Lewis, former president of the Board of Trustees and are now continued by his sons Howard Lewis and Frank Lewis of the classes of 1900 and 1902, respectively. The prizes are as follows: \$40 to the best debater, \$30 to the best orator, \$20 to the best essayist, and \$10 to the best declaimer. Competition is open to students of Granville College.

(b) The Samson Talbot Prize Reading. This is an endowed-prize for the best reading of Scripture and is open to seniors and juniors. The prizes are \$40 and \$20 respectively.

(c) Lake Laboratory Scholarship Prize. The University offers as a prize to students in the departments of Botany and Zoology a scholarship in the State University Lake Laboratory, for the summer session following the award. This prize is awarded on the basis of general excellence in the work done in these two departments. In case two applicants seem equally meritorious two such scholarships may be offered.

(d) The Harmon Freshman Latin Prizes. Ex-Governor Judson Harmon, of the class of '66, offers a prize of \$50 each year for the best work done in Freshman Latin, and a second prize of \$25, the award to be made on the basis of a special examination at the end of the year.

(e) The Woodland Prizes in Chemistry. J. Ernest Woodland, '91, bequeathed to the University, in honor of his father, William Henry Woodland, the sum of \$5000 for the establishment of two annual prizes: \$150 for the best, and \$50 for the second best original thesis on some phase of Chemistry in its relation to industrial every-day life. Conditions of the competition will be announced later.

### 5. SCHOLARSHIPS

For deserving students in need of assistance the University has at its disposal the annual income of certain funds.

Good class standing and exemplary conduct in all relations of life are prerequisite to the enjoyment of any of these scholarships. Students holding them may be called upon to render a certain amount of service to the University but never to an amount which will interfere with regular college work.

1. The Mary K. Monroe Fund, \$30,000. The income of this fund is available for ministerial students in Granville College, and in the Theological Seminaries after graduation from Denison.

2. The King Scholarship Endowment, \$12,000, for the aid of young ladies in Shepardson College.

3. The Ebenezer Thresher Fund, \$10,000, for the aid of young men in Granville College.

4. The M. E. Gray Fund, \$5,000, for the aid of ministerial students of Granville College.

5. The David and Jane Harpster Fund, \$1,500, available for students in Granville College or Doane Academy.

6. The David Thatcher Fund, \$1,500, available for ministerial students in Granville College or Doane Academy.

7. The Mary Arnold Stevens Fund, \$500, for students in Granville College or Doane Academy.

8. The Shepardson Scholarship, \$1,000, for students in Shepardson College.

9. The Luse Scholarship, \$1,000, for students in Shepardson College.

10. The Bostwick Scholarship, \$1,000, established by A. F. and A. A. Bostwick, of Seville, Ohio.

11. The Griswold Scholarship, \$5,000, the gift of the late G. O. Griswold, Esq., of Warren, Ohio.

12. The Lewis Scholarships, contributed by Charles T. Lewis, Esq., of Toledo, affording free tuition annually to two students.

13. The Doyle Scholarship contributed by John H. Doyle, Esq., of Toledo, Ohio, affording free tuition annually to one student.

14. The Gilpatrick Scholarship, endowed by a fund contributed through the Society of the Alumni by former students and friends of the late Professor John Lord Gilpatrick.

15. The Wells A. and Cynthia Aldrich Chamberlain Scholarship, \$2,750, endowed by their sons and daughter, for the aid of students of Denison University.

16. The Edward Le Grande Husted Fund, \$1,000, endowed by Jessie Husted Chamberlain, the income to be loaned to students of Denison University.

17. The Maria Theresa Barney Fund, from which the President of the University has a varying amount at his disposal each year to be loaned to students at his discretion, without interest.

18. The Ohio Baptist Education Society has at its disposal free tuition scholarships for its beneficiaries to the number of forty, if necessary.

19. High School Scholarships. An endowed scholarship to the highest honor student (boy or girl) in the graduating class each year is offered to a selected list of secondary schools. This is worth \$50.00 for each four years, and its use must be begun during the year of graduation.

20. Music Scholarships. The sum of \$200 is awarded by the Board of Trustees, upon the recommendations of the Director of the conservatory and the President of the University.

## ADMISSION TO THE COLLEGE

## A. BY CERTIFICATE

The graduates of first grade high schools and academies are credited with their certified preparatory work without examination, so far as such work agrees with the entrance requirements of the University. Candidates must present certificates officially signed, showing the work done and credit gained in each study. These certificates should be in the Secretary's office not later than two weeks before the opening of the respective semesters, to avoid late registration and the consequent fee. Entrance blanks will be furnished upon request.

Applications for admission with residence in Shepardson College for Women must be accompanied by a \$5.00 fee and by a certificate of entrance and any advanced credits (with honorable dismissal) by July 15 of the year of entrance.

## B. BY EXAMINATION

Applicants for admission who are not graduates of approved secondary schools may present themselves for examination in the subjects required for entrance to the freshman class. Examinations will be given on September 11, 12, 13, 1924.

It is recommended that candidates for admission by examination take the examinations set by the College Entrance Examination Board, at any of the several cities where they are offered. Applications should be addressed to the office of the Board, 431 West 117 St., New York, before May 19, 1924.

No special students can be accepted for undergraduate work.

## ENTRANCE REQUIREMENTS

Fifteen units distributed as indicated below are required for entrance, and no student is admitted to freshman rank who has not completed at least fourteen units. A unit is defined as a year's course of study in a given subject, with 4 or 5 forty minute periods of recitation per week, in an approved secondary school.

1. The following  $10\frac{1}{2}$  units are prescribed for all:

English, 3	History, 1
Mathematics, 2	Science, $\frac{1}{2}$

Foreign language, 4 (at least 2 in the same language)

Candidates for the B.S. degree may substitute 2 units of Science and Mathematics, as listed in paragraph 2, for the third and fourth units of foreign languages.

2. At least  $2\frac{1}{2}$  additional units must be selected from the following subjects, the number indicating the maximum number of units that will be accepted in any subject:

English, 4	Physics, 1
Latin, 4	Chemistry, 1
Greek, 3	Phys. Geog., 1
French, 3	Botany, 1
German, 3	Zoology, 1
Spanish, 3	Physiology, 1
History and Civics, 4	Agriculture, 1
Mathematics, 3 (Algebra and Geometry only)	

In this group may be included the following subjects with the respective amounts noted, upon the recommendation of the college departments especially concerned:

Bible, 1	Psychology, $\frac{1}{2}$
Economics, $\frac{1}{2}$	Sociology, $\frac{1}{2}$
Theoretical Music, 1	

3. Not more than two units may be presented from the following subjects:

Mechanical Drawing, 1	Manual Training or Shop
Freehand Drawing, 1	Work, 1
Domestic Science, 1	Commercial Law, 1
Stenography (if a full unit), 1	Commercial Geography, 1

#### PROVISIONAL ADMISSION

Graduates of high school secondary schools who lack not more than 2 of the prescribed units for entrance are admitted provisionally to college standing, conditioned on making up the deficiency



within two years. They will be listed as "unclassified" college students, if lacking more than 1 unit.

Entrance conditions may be removed by courses in Doane Academy, or by special arrangement in individual cases.

All entrance conditions shall be removed by the end of the second year of college residence, otherwise continued registration is denied. Likewise a determined effort approved by the registrar must be made during the first year toward clearing such conditions as a prerequisite for registration the second year.

#### EXCESS ENTRANCE CREDIT

Application for excess entrance credit must be made at the time of matriculation and documentary evidence of the same presented within six weeks. All such credit, if allowed, is provisional upon the student's maintaining a prescribed high standard of scholarship during the year. No excess entrance credit is allowed for high school work, unless at least one semester more than four years has been spent in the secondary school; when allowed, it shall never represent more than fifty per cent of the school credit, and the maximum is ten semester hours. In cases of deficiencies in the required subjects for entrance (although a total of fifteen units is presented), a request for a limited amount of excess entrance credit partly to counterbalance the deficiency will be given consideration by the Secretary.

#### ADVANCED STANDING

Students who have completed a part of their course at other colleges may apply for admission with advanced standing. They should present a certified statement of their preparatory course, also of the work completed and the credit gained at the former institution, and a certificate of honorable dismissal. Equivalent credit will be given for the work they have successfully completed, so far as it applies to the courses at Denison, but an examination may be required at the discretion of the Faculty.

## REGISTRATION OF STUDENTS

New students will present themselves at the office of the Secretary on the opening day of the semester, for registration; otherwise a fee of \$5.00 is charged for late registration. In the first semester former students will defer their registration until the second day.

## ADVISERS

Each student chooses as early as possible the department containing the line of study which he wishes to emphasize in his course. The professor in charge of this department becomes the student's adviser in his course of study and must be consulted at each subsequent registration.

## SUBJECTS OPEN TO FRESHMEN

Courses 1-2 in English, 1-2 or 1b-2b in Mathematics, and 1-2 in Physical Training are required of all candidates for degrees and must be taken in the freshman year. Neither subject may be deferred to a later year except with the consent of the Secretary, on recommendation of the head of the department. Students competing for the degree of Bachelor of Arts will take Latin or Greek, or both, during the freshman year. Students looking forward to advanced courses in Mathematics, Physics, Astronomy, or Engineering, are advised to take Mathematics 1b-2b, a five hour course, in the freshman year.

The freshman schedule, in addition to the subjects mentioned in the preceding paragraph, will be determined by the student in consultation with his adviser from the following subjects:

Astronomy 1a-2a	History 1-2, 3-4
Botany 1-2	Modern Languages
Chemistry 1-2	Military Science
Christian Education 1-2	Music 1-2, 3-4
Civil Engineering 1-2, 4	Political Science 1-2
Physics 1-2, 1a-2a	Public Speaking 1-2
Geology 1-2, 4	Zoology 1-2

Beginning language courses are open to freshmen, or more advanced courses if the elementary work has been done in the preparatory school.

#### ADDITIONAL REGULATIONS

*Normal Registration.* The average number of credit hours is 16, estimated as 1 credit for 1 hour recitation period or 2 hours laboratory period per week during the semester, to make up the requirement of 128 credits for graduation. This is the amount recommended for students in all classes, to secure best results. The maximum allowed a new matriculant is 18 hours, including 1 hour of physical training.

*Excess Registration.* For other students, more than 16 hours is *excess* and cannot be allowed except by consent of the Secretary in applying definite regulations of the Faculty. A fee of \$2.00 shall be charged for each registered hour in excess of 18. Without special permission from the Secretary's office, 13 credit hours shall be the minimum amount of registration.

*Changes in Registration.* Ordinarily no changes are allowed in registration after the registration card has been filed with the Secretary. For every change that is allowed, a fee of \$1.00 will be charged, unless remitted by the Secretary for satisfactory reason.

*Late Registration.* All students must complete their registration and settle with the Treasurer on the days set apart for this purpose. Failure to do so will be counted as late registration entailing a special fee of \$5.00.

*Dropping Work.* Work for which the student has once registered cannot be dropped except by formal permission secured through the office of the Registrar. A course abandoned without such permission will be counted as a failure and so recorded on the permanent record, likewise (under certain conditions) a course in which the student is failing.

*Dismission.* Students leaving before the close of a semester will not be regarded as having honorably terminated their con-

nection with the University unless dismissed by the President or the Secretary.

*Chapel.* All students are required to be regular in attendance upon the chapel exercises and the college assemblies.

#### CLASSIFICATION OF STUDENTS

##### *For Freshman Standing*

No student will be classified as freshman who is deficient in more than 1 unit of preparatory work.

##### *For Sophomore Standing*

All entrance deficiencies must be removed.

At least 24 hours of college work and 26 points (including English 1-2, Mathematics 1-2 and Physical Training 1-2).

##### *For Junior Standing*

At least 62 hours and 68 points (including Physical Training 3-4 and all preceding requirements).

##### *For Senior Standing*

At least 96 hours and 105 points, and all preceding requirements.

#### REQUIREMENTS FOR BACCALAUREATE DEGREES

The University confers the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Philosophy, upon the satisfactory completion of the respective courses of study indicated in the following paragraphs.

For convenience of reference, the various departments of study for which academic credit is allowed are grouped under two divisions, as follows:

##### *Division One*

Christian Education  
Education  
English  
Greek  
History and Political Science

##### *Division Two*

Astronomy  
Botany  
Chemistry  
Civil Engineering  
Geology

Latin	Mathematics
Modern Languages	Military Science
Music (theoretical and historical courses)	Physical Training
Philosophy	Physics
Public Speaking	Zoology
Sociology and Economics	

## COMMON REQUIREMENTS FOR ALL BACCALAUREATE DEGREES

All candidates for degrees must take English, courses 1-4; Mathematics, 6 hours; 6 semester credits in the department of Philosophy; 16 semester credits in Modern Language and 4 semester credits in Physical Training.

SPECIAL REQUIREMENTS FOR THE DEGREE OF BACHELOR  
OF ARTS

In addition to the common requirements, as above, the candidate must take a sequence of courses amounting to not less than 32 semester credits from the combined departments of Latin and Greek and courses for at least 10 semester credits in Division Two. Elementary Greek courses, when taken in college by students of college standing, may be counted in fulfilling this requirement. Courses offered in the Greek and Latin departments not requiring a knowledge of these languages, and Courses A and B in the department of Latin, may be counted for this requirement, but not to exceed 8 credits in all.

SPECIAL REQUIREMENTS FOR THE DEGREE OF BACHELOR  
OF SCIENCE

In addition to the common requirements (second paragraph above) the candidate must take a principal sequence of courses amounting to not less than 20 semester credits in some one of the departments listed under Division Two (third paragraph above) and a secondary sequence of not less than 12 semester credits from studies in the same Division.

### SPECIAL REQUIREMENTS FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

In addition to the common requirements (third paragraph above) the candidate must take a principal sequence of courses aggregating not less than 20 semester credits in some one of the departments listed under Division One (fourth paragraph above) and a secondary sequence for not less than 12 semester credits from studies in the same Division, and an addition of at least 10 semester credits in Division Two. Applicants for this degree may reckon Mathematics as under Division One for either the principal or the secondary sequence.

The term "sequence," as used in the preceding paragraphs, must be so interpreted as to insure a genuine logical relation between the courses of which the sequence is composed.

### TOTAL NUMBER OF CREDITS REQUIRED FOR GRADUATION

The granting of any of these degrees requires the completion of at least 128 semester credits of scholastic work, including 4 credits in Physical Training. The unit of credit is 1 hour per week of lecture or recitation, or 2 hours per week of laboratory work, through one semester. The maximum credit allowed in any one department is 40 semester hours. In addition to credits a certain standard of scholarship, estimated as "points," is required. A total of 140 "points" must be earned, being reckoned on the student's standing, as follows:

- "A" (Excellent) ..... Earns 2 points per credit hour.  
 "B" (Good) ..... Earns 1½ points per credit hour.  
 "C" (Fair) ..... Earns 1 point per credit hour.  
 "D" (Passing) ..... Earns no points.  
 "F" is a failure and course must be taken over in class.

By the close of the spring recess previous to graduation, the candidate for degree must have accumulated at least 110 semester credits and 112 "points," and must have paid all University bills including the diploma fee.

## SPECIAL PRE-MEDICAL PROVISION

Any student who successfully completes all the specific requirements for the B. S. degree at Denison and all the specific requirements for admission to an A grade medical school, with a total credit of 98 semester hours and 110 points, shall receive the B. S. degree from Denison upon successful completion of the first year's work in such A grade medical school.

## THE MASTER'S DEGREE

Denison has no organized graduate department, but provision may sometimes be made to pursue graduate work leading to the degree of Master of Arts or Master of Science. When the applicant for such work desires to register for it he should first get the definite promise from the departments of instruction concerned to the effect that they can furnish him graduate work, and should then at once present to the Committee of the Faculty on Advanced Degrees a statement of his plans for its approval. This should not be delayed beyond the regular period of registration required of all college students.

There is required a year of residence work, the total number of semester hours to be 32. In addition a thesis is expected to be written. Ability to read one foreign language is also required. The course shall consist of one major sequence comprising advanced work of graduate nature and amounting to one-half or more of the entire amount of work, with one or more minors in departments allied to that of the major sequence. Courses taken before graduation will be allowed to count only up to a very limited number of hours. There will be a final oral examination conducted by the Committee on Advanced Degrees. The master's degree will not be conferred sooner than one year after the bachelor's degree.

Students in graduate courses are subject to the same tuition, incidental and laboratory fees as others. Their diploma fee is \$10.00

## EXPENSES

## MATRICULATION FEES

For students entering as Freshmen.....	\$ 2.00
For students entering as Sophomores.....	3.00
For students entering as Juniors.....	4.00
For students entering as Seniors.....	5.00
For students entering as Graduates.....	5.00

This fee is remitted in case of graduates from Doane Academy.

## TUITION AND GENERAL FEES

Tuition, per semester.....	\$25.00
Incidentals, per semester.....	32.50
Athletic Ticket (optional with Shepardson Students).....	2.50
Student Activities.....	2.50

Tuition in Conservatory of Music, (See page 94).

## DIPLOMA FEES

Bachelor's Degree.....	\$ 5.00
Master's Degree.....	10.00

## EXTRA CHARGES FOR CERTAIN COURSES

The fees indicated below are in all cases for a single semester. In some cases the fee is not a fixed amount, but depends upon special circumstances. Such cases are not included in this table.

ASTRONOMY—Course 2a.....	\$2.00
4.....	2.00
BOTANY—Course 1.....	\$ 3.00
3.....	3.00
5.....	4.00
7.....	4.50
11.....	2.00
17.....	1.00
2.....	\$ 3.00
4.....	3.00
6.....	4.00
8.....	4.50
12.....	2.00
18.....	1.00



## CHEMISTRY—

Course 1.....	\$ 6.00	2....	\$6.00 (or \$9.00)
5.....	6.00 (or \$9.00)	6.....	6.00 (or 9.00)
9.....	5.00	10.....	5.00
13.....	Consult instructor	14..	Consult instructor
15.....	6.00	16.....	6.00
17....	No fee or deposit	18....	No fee or deposit
19.....	Consult instructor	20..	Consult instructor
Deposit, or breakage ticket, for each course unless specially mentioned, \$4.00.			

## CIV. ENGINEERING—

Course 1.....	\$ 1.00	2.....	\$ 1.00
3.....	1.00	4.....	2.00
5.....	2.00	10.....	1.00
9.....	1.00	12.....	2.00

## GEOLOGY—

Courses 1, 2, no fee.	Other courses, each.....	1.00
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MUSIC—Courses 5, 6, 7, 8, 9, or 10.....	12.00
11, 12, 13, 14, 15, 16, 17, or 18.....	8.00
1, 2, 3, or 4 (except to students paying regular college tuition).....	8.00

Pianoforte, Voice, Organ or Violin (no college credit.)

Two private lessons per week.....	40.00
One private lesson per week.....	22.00

PHYSICS—Course 1a.....	2.00	2a.....	2.00
3.....	3.00	4.....	3.00
5.....	3.00	6.....	3.00
9.....	3.00	10.....	3.00

ZOOLOGY—Courses 1, 2, 3, 4, 9, 10, 11, 12, per credit hour	1.25
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## BOARD AND ROOMS

Shepardson College	Room.....	\$45.00
	Board in Commons.....	90.00
Granville College	Room.....	20.00 to 30.00

Students of Granville College must make private arrangements for their meals.

Semester bills, including dormitory room-rent (and board in case of Shepardson students) are *payable in advance*. All payments, even if deferred by permission of the Dean, must be completed by December first and April fifteenth in the respective semesters, in order to avoid suspension from classes.

### SPECIAL FEES

*Excess Registration.* For conditions and amount, see page 43.

*Partial Registration.* Students taking less than 10 hours per week will be charged as follows: \$5.00 per semester hour; \$2.50 for athletic ticket (optional with women); \$2.50 for Student Activities. See exception in Conservatory (p. 94).

Students in Granville and Shepardson Colleges taking part of their work in Doane Academy pay no extra charge for that work unless it makes the total number of hours exceed 18 per week.

Doane Academy students taking one or more studies in college will pay regular college semester bills.

*Late Registration.* See page 43.

*Examinations.* A fee is charged for a special examination: \$2.00 in case of a final and \$1.00 for a mid-semester, 1 hour examination.

*Refunding Semester Bills.* All registrations are for an entire semester and no money is refunded to a student who leaves before the end of the semester, with the following exceptions: a college student leaving during the first half of the semester, and regularly dismissed, will pay for the time of his actual enrollment at the rate of \$5.00 per week, counting from the first of the semester to the date of dismissal. The remainder of the semester charges will be refunded, athletic and Denisonian fees being adjusted.

## REGULATIONS RESPECTING DORMITORIES

*Men's Dormitories*—Rooms for men in the dormitories may be secured on application to the Treasurer by paying a retaining fee of \$5.00 on or before August 1. If the room is occupied, this fee will be held subject to the rules and regulations governing the use of the dormitories; otherwise it is forfeited.

No room can be secured for a shorter time than one semester. If a room is vacated for any cause before December 1 of the first semester, or before April 15 of the second, only one-third of the room rent will be refunded. No rent will be refunded after these dates.

Rooms are in suites comprising sitting-room and bed-room (except single rooms for one person) and are supplied with dresser, bookcase and chairs, single iron bedstead, mattresses and springs. Bedclothing and towels are provided by the student. The rooms are lighted by electricity and heated by hot water, and are in close proximity to lavatories on the same floor, where shower baths are provided, with hot and cold water.

*Women's Dormitories*—Rooms are provided for young women on the Shepardson College Campus in Burton Hall, King Hall, and Stone Hall. Until the erection of other residence halls, additional room is secured in cottages owned or leased by the college in the immediate vicinity of the college grounds. Rooms may be secured by paying an application fee of \$5. This fee is credited on the room rent if the room is occupied; otherwise it is forfeited. For important information concerning admission, see page 39.

Ample lavatories are provided on each floor, which have baths with hot and cold water. Single iron bedsteads, mattresses, springs and rugs are provided in all rooms. All rooms and halls are lighted by electricity and heated by hot water. All bedding and toilet appliances are furnished by the students, whether in dormitories or cottages. Breakage or other damage to furniture of rooms is charged to the occupants.

*Refunding of Charges.*—No rebate can be made in the room rent of women, but to students leaving on regular dismissal before the December vacation of the first semester, or the spring vacation of the second, a charge is made of \$8.00 per week for board. No rebate is granted after these dates.

#### STUDENT EMPLOYMENT

A limited amount of remunerative employment is furnished by the University, including stenography, typing, mimeographing and other office work; library and laboratory and departmental assistance; messenger and telephone service, hall duty, janitor and carpenter and farm work. A total of about \$25.00 per semester is usually possible for new students. Apply to the Student Aid Committee for such employment.

## Departments and Courses of Instruction

The following pages contain a statement of the courses offered in all the departments of instruction in the College. The departments appear in alphabetical order. The odd-numbered courses are given in the first semester, the even-numbered in the second semester. The title and general character of each course are given, followed by a statement of the prerequisite subjects. The Roman numerals indicate the period in the daily schedule at which the class meets and the hours refer to the units of credit for the course. For a tabular view showing the schedule of days and hours when each course is given, see insert at end of Catalogue.

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### ASTRONOMY

PROFESSOR BIEFELD

The courses are planned with reference to their cultural value and to their forming a sound basis for further study in the science.

1a. **ELEMENTARY ASTRONOMY.** Four recitations a week based upon lectures with mimeograph notes with one hour a week (needing no preparation on the part of the student) on Tuesday or Thursday, 8-9 p.m., for constellation study and the demonstration of instruments. No prerequisite.

VI, 4 hours.

2a. **ELEMENTARY PRACTICAL ASTRONOMY.** This course introduces students who have had course 1a or its equivalent, and engineering students who wish to supplement their surveying course, to the use of the instruments in solving practical astronomical problems in an elementary way. Prerequisite, 1a. Fee, \$2.00, with laboratory hours to be arranged.

VI, 4 hours.

3. **DESCRIPTIVE ASTRONOMY.** A standard text is used together with lantern slides and demonstration of the instruments of the observatory. Prerequisite, Freshman Mathematics. General Physics, 1-2 is advised. I, 4 hours.

4. **PRACTICAL ASTRONOMY.** This is a laboratory course for the solving of astronomical problems with the precision that the modern instruments of the observatory allow. Prerequisites, Astronomy 3 and Physics 3. Fee, \$2.00.

4 hours.

6. **METHOD OF LEAST SQUARES.** Advised for student taking Astronomy 4. Hours to be arranged.

2 hours.

7-8. **ADVANCED OBSERVATIONAL WORK.** Measurement of double stars and position of celestial objects differentially with position micrometer. Stellar Photometry with naked eye and wedge photometer. Prerequisite, Astronomy 3. Hours to be arranged. 3 hours.

9-10. **INTRODUCTION TO CELESTIAL MECHANICS.** A standard text is used taking up the fundamental principles of the subject. Application to determination of ephemerides and orbits of planets and comets. Prerequisite, Astronomy 3 (may be taken the same time as 9) and the Calculus, including, preferably, an introduction to Differential Equations. IV, 3 hours.

## BOTANY

PROFESSOR STICKNEY

1-2. **GENERAL BIOLOGY.** Introductory to all other courses in the department, and designed also for students in other departments who desire a general acquaintance with biological laws and theories. A general consideration of living organisms and life processes, and a study of the origin of individuals and races through reproduction and evolution. The course does not follow the lines of elementary botany of secondary schools and is designed equally for those entering with or without such course. Fee, \$3.00. Lectures and quiz Tuesday and Thursday, 10:30. Laboratory, two sections, Monday or Wednesday 9:30-11:30. 3 hours.

3-4. **PLANT MORPHOLOGY.** A very general survey of the plant kingdom, with a study of type forms from the lowest to the highest orders. One all-day field trip and several shorter excursions each semester. Alternates with courses 5-6. Prerequisite, Botany 1-2 or 11-12 or Zoology 1-2. Fee, \$3.00. Four credits. Not offered in 1924-25. III, 4 hours, and IV, 2 hours.

5-6. **PLANT HISTOLOGY AND PHYSIOLOGY.** The study of cells, tissues and organs of higher plants, and of the relation of these structures to life processes. Special attention is given to the technique of microscopic study during the first semester, and to experimental methods during the second. Alternates with courses 3-4. Four credits. Prerequisite, Botany 1-2 or 11-12. Fee, \$4.00. Offered in 1924-25. III, 4 hours, and IV, 2 hours.

7-8. **BACTERIOLOGY.** An elementary course, introducing the student to the nature and activities of bacteria, and to the technique and methods of bacteriological study. Elementary chemistry is advised in addition to Botany 1-2 or Zoology 1-2, the regular prerequisite for this course. Fee, \$4.50.

I-II, 3 hours.

11-12. **DESCRIPTIVE AND SYSTEMATIC BOTANY.** A general treatment of the higher flowering plants, emphasizing structure and function in the first semester and identification and classification in the second. Designed to meet the needs of students who wish to cover intensively the formal course in

elementary botany, either as an introduction to the subject or with a view to teaching. Field trips alternate with laboratory studies during the open season of both semesters. Open to all. Fee, \$2.00. VI-VII, 3 hours.

13. APPLICATIONS OF BOTANY. A lecture course dealing with man's relation to plants and plant life. The plant as a food-building machine, the world's food supply, fuel, drug plants, fibre plants, poisonous plants, lumber, forest influences and conservation, and ornamental plants and landscaping are among the topics included. Designed as a general culture course. Open to all. II, 2 hours.

14. BACTERIOLOGY OF DISEASE. A lecture course dealing with germ diseases, from the standpoint of personal and public hygiene. The nature of pathogenic bacteria and their toxins, modes of infection, disease resistance and immunity, and the use of protective and preventive measures. Open to general election. II, 2 hours.

17-18. BOTANICAL SEMINAR. The study of special topics with reports in class upon assigned readings. Either or both semesters may be taken. Ability to use French or German is desirable. Open to juniors and seniors only. Prerequisite, Botany 1-2 and an additional year's work in the department. Hours to be arranged. Fee, \$1.00. 2 hours.

19-20. ADVANCED BOTANY. Special work on assigned problems leading to research in botany. This course may be taken only by competent students, and with consent of the head of the department. Two to five credits. Hours arranged individually.

## CHEMISTRY

PROFESSOR EBAUGH

ASSISTANT PROFESSOR EVERHART

Chemistry 1-2 is a fundamental course open to all students and is required of students who expect to specialize in engineering, medicine, nursing, home economics and allied subjects.

1. GENERAL CHEMISTRY. (Non-metals). Principles and theories of chemistry, the quantitative aspect of the subject and the solution of problems in chemical arithmetic. It is recommended that a student complete a course in elementary chemistry or physics as a preparation for Chemistry 1. Fee, \$3.00 per hour of laboratory credit, and breakage deposit, \$4.00. Section A: recitation or lecture Monday and Wednesday, II period, laboratory Tuesday and Thursday, I and II period. Section B: recitation or lecture Monday and Thursday, VII, laboratory Tuesday and Friday, VI and VII. Section C: recitation or lecture Tuesday and Thursday, IV, laboratory Wednesday and Friday, III and IV. 4 hours.

2. GENERAL CHEMISTRY. (Metals and Qualitative Analysis.) A continuation of Chemistry 1. The close connection between chemistry and industry is emphasized. Common blowpipe tests, reactions of metallic and non-metallic ions, and the analysis of mixtures of increasing difficulty. Prerequisite, Chemistry 1. Fee, \$3.00 per hour of laboratory credit, and breakage deposit, \$4.00, four or five credits. Sections and hours as in Chemistry 1.

5-6. QUANTITATIVE ANALYSIS. Simple salts, alloys, minerals, ores, etc., are analyzed. Acidimetry, alkalimetry, volumetric methods of various kinds, and the application of electrolysis receive attention. Constant drills in chemical calculations and underlying theories. Prerequisites, Chemistry 2 (as outlined above). Fee, \$3.00 per hour of laboratory credit, and breakage deposit, \$4.00 per course. Recitation, Monday IV, laboratory, Monday and Wednesday, or Tuesday and Thursday, VI and VII. 3 hours.

9-10. ORGANIC CHEMISTRY. A study of carbon compounds is accompanied by the preparation of typical organic substances, determination of physical constants and chemical properties, and practice in the use of tests employed in special branches of chemistry. Prerequisite, Chemistry 2. Fee, \$5.00 per hour of laboratory credit, and breakage deposit, \$4.00 per course. Lecture or recitation Monday and Wednesday, 1 period, laboratory, Thursday or Friday, I and II. 3 hours.

13-14. ADVANCED QUANTITATIVE ANALYSIS. Special methods of analysis in the following groups: (a) mineral and ore analysis, (b) water analysis, (c) gas analysis, (d) foodstuff analysis, (e) metallurgical analysis, (f) technical analysis for specific industries. Prerequisites, Chemistry 6, and, for (d), Chemistry 10. Fees, credit and hours to be arranged.

15-16. PHYSICAL AND ELECTROCHEMISTRY. Modern theories of solution, dissociation, chemical equilibrium, thermochemistry, and the application of the current to analysis, refining of metals, preparation of organic and inorganic chemicals. Prerequisites, Chemistry 6 and 10, Physics 4 and Calculus. Fee, \$6.00 per hour of laboratory credit, and breakage deposit, \$4.00 per course. Monday and Wednesday, VI, and laboratory period to be arranged.

17-18. HISTORY OF CHEMISTRY. Prerequisite, Chemistry 10. Hours to be arranged, (usually Tuesday, VIII). 1 hour.

19-20. RESEARCH. Opportunities for research work in chemistry are offered to advanced students. Prerequisites, Chemistry 6 and 10, and Physics 4. Fees, credit, and hours to be arranged.



## CHRISTIAN EDUCATION

PROFESSOR KNOX

ASSISTANT PROFESSOR CRAWFORD

1-2. BIBLE. A course designed to lead students to know and love and use their Bible. The entire Bible is included in the year's work, the Old Testament in the fall semester and the New Testament in the Spring. The Bible text is the basis of study, with attention to authorship, historical setting and purpose of the individual books. Various types of Bible study are selected, textual, devotional, biographical, literary, topical, so far as to fit the student for individual study and for teaching.

IV for advanced students, VI for freshmen. 3 hours.

3a. LIFE OF CHRIST. A reverent study of the life and teachings of Christ, building a Harmony of the Gospels to secure a unified grasp of the facts of His life and emphasizing the social bearings of His teaching and example. Prerequisite, Christian Education 2 or equivalent. II, 3 hours.

4a. HISTORY AND GEOGRAPHY OF BIBLE LANDS. In order to secure a more sympathetic and adequate appreciation of the Bible and its message, the topography, the natural and political history and the manners and customs of the Bible lands are studied, with laboratory equipment including maps, charts, work in sand and plastic material, and using photographic and stereoscopic views and lantern slides. Prerequisite, Christian Education 1 or 2. VII, 3 hours.

21-22. RELIGIOUS EDUCATION. The principles, problems and program of religious education, with reference to Sunday School, Vacation and Week-Day Religious Schools and other forms of teaching and training the religious life as carried on by local church and community. Observation, demonstration and practice work included if size of class permits. II, 3 hours.

25. PRINCIPLES AND METHODS OF TEACHING IN THE CHURCH SCHOOL. A study of the pupil and his religious needs in the various periods of his development. Adaptation of the principles and methods of modern pedagogy to the development and training of Christian character. Selection and preparation of lesson material: analysis of lessons, preparation of lesson plans, observation, teaching; selection and handling of equipment. Opportunity for teaching under supervision will be provided for each member of the class as size of class permits. Prerequisites, Christian Education 1-2, 21-22. V, 3 hours.

26. STORY-TELLING AND DRAMATIZATION. A study of the values and uses of the story in the Christian education of children and youth. Selection of stories: Bible, missionary, extra-Biblical; preparation of stories; prin-

ciples of story-telling; compilation of graded lists of stories based on themes, lesson truths, special days; sources of story material. Demonstration and practice in story telling. The educational value of the dramatized story, methods of dramatization. Preparation of simple dramatization of Biblical and extra-Biblical stories. The pantomime and pageant as other forms of dramatization. Prerequisites, Christian Education 1-2, 21-22. V, 3 hours.

27. **WORSHIP AND HYMNOLGY.** Music and worship in Old Testament times and in the early Christian church. Our hymn book as a history of the Christian church. A study of hymns and their stories. The nature and function of worship in church and church school; the elements of worship; the value and ministry of each. The program of worship. Evaluation of scripture, prayer, hymns, music, devotional literature and pictures for use in worship programs. Principles of program building. Building programs for church services, church school, young people's meetings, clubs, camps. Demonstration of programs. Prerequisites, Christian Education 1-2, 21-22.

VII, 3 hours.

28. **CHRISTIAN ART.** A course to help the student discover, interpret and appreciate the religious truths and messages of the great masterpieces of Christian art. Not a critical study of technique for art's sake but a reverent study of the spiritual element for the sake of the individual. Studied first: chronologically, to see the historical development and mission, second: comparatively, for the values of the various pictures, third: educationally, for the relative use in Christian education. Types of art studied: painting, sculpture and architecture. Prerequisites, Christian Education 1-2, 21-22.

III, 3 hours.

29. **EXPRESSIONAL ACTIVITIES IN CHRISTIAN EDUCATION.** The relation of expression to instruction. A study of the value and use of various forms of expressional activities, with special reference to the Sunday School, week-day school of religion, daily vacation Bible school, mission classes and clubs, and other forms of organized effort proposed for religious work. Expression through handwork, notebooks, map work, plastics, dramatization and social service. Prerequisites, Christian Education 1-2, 21-22.

III, 3 hours.

32. **MISSIONS.** History and development of Christian missions. Geographical, racial, religious influences upon the various peoples. The problems and opportunities in the mission fields. News fresh from the field. Reading of current literature.

41-42. **SEMINAR.** Open to advanced students in Christian Education, with consent of instructor. Individual assignments to field work and research. Reading of current literature and reports.

IV, 2 hours.

## CIVIL ENGINEERING

PROFESSOR JOHNSON

The courses offered in this department are designed to cover the work of the first three years of civil engineering courses as offered in the technological schools, emphasizing the need of a thorough training in the fundamentals of science and mathematics, a broad cultural training along with the technical training.

1. MECHANICAL DRAWING. Elementary and advanced drawing. Fee, \$1. Students may register for two, three or four hours.

I and II, 2 hours; VI and VII, 2 hours.

2. MECHANICAL DRAWING. A repetition and continuation of course 1. Second semester. Hours, fees, and credits as for course 1.

3. DESCRIPTIVE GEOMETRY. Problems in the point, line, and plane, warped developed surfaces, intersections and patterns. Prerequisite, Civil Engineering 1 or 2. Fee, \$1.

III, 4 hours.

4. PLANE SURVEYING. Field and class-room work. Prerequisite, Civil Engineering 1 and Mathematics 1 or 1b. Fee, \$2. During twelve weeks of the semester, field work requires six hours per week with one hour of recitation.

VI, 4 hours.

5. RAILROAD SURVEYING AND EARTH-WORK. Reconnaissance, preliminary location, and cross-section surveys. Maps and profiles are plotted, earth-work computations made and problems in transition curves and turnouts are assigned. Prerequisite, course 4. Fee, \$2. (Periods for field work will be at 9 a.m., unless otherwise arranged.)

I, 4 hours.

6. RAILROAD ENGINEERING AND ECONOMICS. Study of the economic theory of railroad location, locomotive operation, train control, locomotive rating, with additional problems of railroad location and construction. Prerequisite, course 5.

I, 4 hours.

7. APPLIED MECHANICS. The principles of mechanics with reference to their application to engineering. Prerequisite, Mathematics 3b-4b, and Physics 1. Physics 3 should precede or accompany the course.

IV, 4 hours.

8. APPLIED MECHANICS. Strength of materials and their action under bending, torsion, and shear, with studies in beams, columns, slabs and hooks, and analysis of stress in simple structure. Prerequisite, course 7.

IV, 4 hours.

9. ANALYSIS OF STRUCTURES. Determination of working stress in roof and bridge trusses, arches, dams and other structures, by analytical and graphical methods. Prerequisite, course 8. Fee \$1.

VI, 4 hours with two drawing periods to be arranged.

10. **STRUCTURAL DESIGN.** A continuation of course 9. The design of roof and bridge girders and trusses, arches and other structures, with preparation of drawings for the same. Prerequisite, courses 8 and 9. Fee, \$1.

II, 2 hours with two periods to be assigned, 4 hours.

12. **MATERIALS OF CONSTRUCTION.** Study of cement, wood, steel, iron, and concrete. All the routine tests of cement will be made in the laboratory. Fee, \$2.

III, 4 hours.

13. **HIGHWAY ENGINEERING.** Methods of surveying, construction, repair and maintenance of roads and streets. Prerequisite, courses 1 and 4.

II, 2 hours.

15. **PUBLIC WATER SUPPLIES.** Collection, purification and distribution of water. Prerequisite, Chemistry 1-2 or 3-4, and Civil Engineering 4.

VI, 3 hours.

16. **SEWERAGE SYSTEMS AND SEWAGE DISPOSAL.** Continuation of course 15. Collection and disposal of public wastes, design of sewers and disposal plants. Prerequisite, course 15.

VII, 3 hours.

## ENGLISH LITERATURE AND RHETORIC

ASSOCIATE PROFESSOR MACNEILL

ASSISTANT PROFESSOR DICKERMAN

ASSISTANT PROFESSOR SHUMAKER

ASSISTANT PROFESSOR JACOBS

ASSISTANT PROFESSOR BRUMBACK

ASSISTANT PROFESSOR FRIERSON

MISS SELLERS

Students whose major work is in this department will elect, in addition to the regular requirements for all degrees, a minimum of twenty hours from the courses in English and Public Speaking. Among these courses should be included English 5-6 and either English 11 or 17.

The following courses are given:

1-2. **ENGLISH COMPOSITION.** Recitations, themes, conferences, and the study of modern prose writers. Required for all degrees.

Sections at periods 1, II, III, VI, and VII, 3 hours.

NOTE—Students who are found deficient in preparation for this course will be placed in special sections where they may make up their deficiencies. No college credit is given for work in such sections.

1b-2b. ENGLISH COMPOSITION FOR FOREIGN STUDENTS. Practice in speaking and writing, recitations, themes, and conferences. Designed for students whose native language is not English. For those requiring credit in Freshman English, the course is counted as the equivalent of a two-hour course, and must be taken by all foreign students whose command of English is not fluent. Hours to be arranged. 5 hours.

3-4. ENGLISH LITERATURE. A survey of the history of English literature, with particular emphasis on poetry. Required for all degrees. Prerequisites, English 1-2. Sections at periods II, III, IV, and VII, 3 hours.

5-6. SHAKESPEARE. Prerequisites, English 1-4.

I, 3 hours. Miss MacNeill.

7. MILTON. A study of Milton's poetry and prose, with some attention to the minor poets of the period. Prerequisites, English 1-4. Alternates with course 19 and is offered 1924-25. III, 3 hours. Miss MacNeill.

8. THE ROMANTIC MOVEMENT IN ENGLAND. A brief review of the movement in the eighteenth century, followed by a closer study of the work of Wordsworth, Coleridge, Byron, Shelley, and Keats. Prerequisites, English 1-4. IV, 3 hours.

9. THE NOVEL. Selected readings, and lectures. Prerequisites, English 1-4. IV, 2 hours.

10. THE SHORT STORY. The reading and the analysis of representative modern short stories. Prerequisites, English 1-4. IV, 2 hours.

11. ANGLO-SAXON. Bright's *Anglo-Saxon Reader*, with special study of the phonology of the language in its historical relations to German and English. Prerequisites, English 1-4. (Not offered in 1924-25.) IV, 3 hours.

12. THE ENGLISH CRITICAL ESSAY. An extensive reading course in the critical essay, with reference to the history of the form, the periodical essay, and present tendencies in criticism. Prerequisites, English 1-4. (Not offered in 1924-25.) IV, 3 hours.

13a-14a. THE DRAMA FROM THE BEGINNING TO 1642. A study of the works of the chief Elizabethan dramatists from the point of view of origins and types. Prerequisites, English 1-4. Alternates with course 13b-14b and is not offered in 1924-25. III, 2 hours.

13b-14b. THE DRAMA FROM 1660 TO THE PRESENT TIME. An historical survey emphasizing the development of technique and criticism of the drama. Prerequisites, English 1-4. Alternates with course 13a-14a and is offered in 1924-25. III, 2 hours.

15. THE TEACHING OF ENGLISH. A course for those who expect to teach English in high schools. Designed especially for juniors and seniors. VII, 2 hours. Mr. Shumaker.

16. AMERICAN LITERATURE. Prerequisites, English 1-4. I, 3 hours.
17. MIDDLE ENGLISH. Special attention to Chaucer and the development of the language. Prerequisites, English 1-4. (Offered in 1924-25.) IV, 3 hours.
18. ADVANCED COMPOSITION. Expository, critical, and imaginative writing. Prerequisites, English 1-4. II, 2 hours.
19. VICTORIAN POETS. A study of Tennyson, Matthew Arnold, Swinburne, and other poets of the period. Prerequisites, English 1-4. Alternates with course 7 and is not offered in 1924-25. III, 3 hours. Miss MacNeill.
20. BROWNING. An intensive study of the shorter poems, together with the reading of selected longer ones. Prerequisites, English 1-4. III, 3 hours. Miss MacNeill.
- 21-22. NEWS WRITING. The course will cover the writing of news articles, the methods of obtaining news, and the journalistic principles of selection. Practice in typewriting will be given. Open to juniors and seniors who have taken English 1-2. VI, 3 hours. Mr. Dickerman.
- 23-24. EDITING. Primarily copy desk work, leading up to the work of assistant city editor, telegraph editor, and feature editor. Practical exercises in editorial writing and dramatic criticism. Prerequisites, English 21-22. III, 2 hours. Mr. Dickerman.
26. SPECIAL ARTICLES. A study of preparation and marketing of special feature articles. Prerequisites, English 21. Alternates with course 28 and is not offered in 1924-25. 2 hours. Mr. Dickerman.
28. PUBLICITY AND THEORY OF ADVERTISING. Designed for students interested in the relation of publicity or advertising to the business or profession they intend to enter. Not a course in writing advertising copy. Prerequisites, English 1-2. Alternates with course 26 and is offered in 1924-25. 2 hours. Mr. Dickerman.

## GEOLOGY

PROFESSOR MATHER

MR. LUSK

Course 4 is recommended for those who can take but one semester's work. Students specializing in Geology should take at least a year's work each in Chemistry and Physics.

1. GEOLOGICAL PROCESSES. The materials and features of the earth, their origin and processes of alteration; the agencies involved: streams, glaciers, atmosphere, etc. Recitation and laboratory work with occasional field trips on Saturday. Freshmen may elect this course only upon advice of the instructor in charge. III, 4 hours.

2. HISTORICAL GEOLOGY. An outline of the history of the earth and its inhabitants, with special reference to the continent of North America. Recitation and laboratory work with occasional field trips on Saturday. Prerequisite, Geology 1. III, 4 hours.

4. GEOGRAPHIC INFLUENCES. Lectures, supplemented by library assignments, considering the influence of topographic and climatic environment upon human affairs. Fee, \$1.00. I, 2 hours.

17. GEOGRAPHIC FACTORS IN AMERICAN HISTORY. Open to all, preferably following 4. Lectures, supplemented by library assignments concerning the history of North America as conditioned by geography. Fee, \$1.00. (May not be offered in 1924-25). 2 hours.

3. MINERALOGY AND PETROLOGY. The common minerals and rocks; their identification, origin, and occurrence; the field classification of igneous rocks; sedimentation and the sedimentary rocks. Prerequisite, Geology 1 and 2, and a year of Chemistry. First semester in alternate years. IV, and two additional laboratory hours to be arranged. Fee, \$1.00. (Not offered in 1924-25.) 3 hours.

18. ADVANCED MINERALOGY AND BLOWPIPE ANALYSIS. The megascopic and common chemical and blowpipe determinations in the laboratory of about 150 minerals. Prerequisite, 3. Fee, \$5.00. II and additional hours to be arranged. (May not be offered in 1924-25.) 3 hours.

5. NORTH AMERICA. Lectures, discussions and assigned readings concerning the relief features and natural resources of the continent, their influence upon the history and industries of its inhabitants. Prerequisite, Geology 1 and 2. Fee, \$1.00. (Offered in 1924-25.) IV, 3 hours.

6. ECONOMIC GEOLOGY. Ore deposits; their genesis, geologic relations, alterations, and distribution; non-metalliferous deposits, coal, petroleum, natural gas, salt, potash, etc. Prerequisite, Geology 1 and 2, and 3. Offered in alternate years. Fee, \$1.00. (Not offered in 1924-25.) IV, 3 hours.

7. INVERTEBRATE LIFE DEVELOPMENT. The origin of life upon the earth; the succession of invertebrate faunas. Fee, \$1.00. Prerequisite, Geology 1-2, and either Botany 1-2 or Zoology 1-2. I, 3 hours.

8. VERTEBRATE LIFE DEVELOPMENT. The origin and evolution of the vertebrates; historical geology studied on the life side. Fee, \$1.00. Prerequisite, Geology 7. 1, 3 hours.

9. ANTHROPOLOGY. Primitive man and his environment. The "Stone Age" in Europe and Asia. Pre-Columbian civilization in America. (Not open to freshmen.) Fee, \$1.00. 1, 2 hours.

10. PETROLEUM GEOLOGY. This course is intended to serve as an introduction to the technique of the petroleum geologist as developed in plane-table mapping and reconnaissance surveys. It will also include a review of the oil and gas fields of North America. Prerequisite, Geology 1-2, and Civil Engineering 4. Second Semester in alternate years. Fee, \$1.00. Offered in 1924-25.) IV, 3 hours.

11-12. GEOLOGIC INVESTIGATION.

13-14. GEOGRAPHIC INVESTIGATION.

15-16. PALEONTOLOGIC INVESTIGATION. Courses 11-12, 13-14, and 15-16 are open to seniors. Students should not register for these courses without consultation with the professor in charge. Fee, \$1.00 per hour of credit sought. Hours to be arranged. 2-5 hours.

20. FIELD METHODS. One lecture a week throughout the semester and one week of field work during the spring vacation, spent in camp. Prerequisites, Geology 1-2. Hour of lecture to be arranged. Fee, \$1.00.

## GREEK

PROFESSOR DEAN

ASSISTANT PROFESSOR AKERS

### FOR STUDENTS WHO DO NOT STUDY THE LANGUAGE

A1. GREEK CIVILIZATION. A topical study of the different elements which entered into the Greek civilization of its best period, together with a study of the contribution which that civilization has made to our times. The course does not require a knowledge of the Greek language. Open to all students, first semester. IV, 2 hours. Miss Akers.

B1. GREEK LITERATURE IN ENGLISH. A course designed to give an acquaintance with the field of Greek Literature and its contribution to modern thought. Lectures and assigned readings from translations of Greek authors. Open to freshmen by permission, second semester.

III, 2 hours, Miss Akers.



## FOR STUDENTS OF THE LANGUAGE

I. THE GREEK LABORATORY. The Laboratory method is used for the elementary portion of the instruction in Greek. The courses comprise the elements of Greek Grammar, the translation of selected portions of Xenophon's *Anabasis*, composition exercises and reading at sight. Students may begin these courses in either semester. They will ordinarily register for 8 laboratory hours per week, 5 of which will come the second period, and the other 3 will be arranged with the instructor on registration day. Those who have earned 6 or more semester hours will ordinarily register for 6 or 8 laboratory hours, 5 of which will come the fourth period, the others to be arranged with the instructor. No student may register for less than 6 laboratory hours without special permission. A maximum credit of 15 semester hours may be earned in the laboratory. Miss Akers.

3. EASY PROSE. Selections from Xenophon's *Hellenica* and *Cyropædia*. This course is intended to develop the student's power to read rapidly. Prerequisite, at least 10 semester hours in the Greek Laboratory.

VI, 4 hours. Miss Akers.

4. HOMER'S ILIAD. A study of the dialect and meter, lectures on the development of epic poetry, and life in the time of Homer. Prerequisite, at least 10 semester hours of work in the Greek Laboratory.

VI, 4 hours. Miss Akers.

NOTE—Courses 3-4 are prerequisite for any of the following courses.

7-8. NEW TESTAMENT. Rapid reading in the Synoptic Gospels and the Epistles; study of the philology and interpretation of the portions read. (Offered 1924-25)

III, 2 hours. Mr. Dean.

9-10. NEW TESTAMENT. Selections from the Gospel of John, the Acts, Epistles, and Revelation; philology and interpretation. (Offered 1924-25.)

III, 2 hours. Mr. Dean.

11. PHILOSOPHY. Plato's *Apology* and *Crito*. Xenophon's *Memorabilia*, collateral reading in other dialogues of Plato, lectures on development of Greek philosophy. Hours to be arranged. (Offered 1923-24.)

3 hours. Mr. Dean.

12. GREEK TRAGEDY. Sophocles' *Antigone*; Euripides' *Iphigenia among the Taurians*; collateral reading in Lucian; structure of the Greek tragedy; lectures on the origin and development of tragedy. Hours to be arranged. (Offered 1923-24.)

3 hours. Mr. Dean.

13. ORATORY. Selections and collateral readings from the Attic orators. Study of the development of Greek oratory. (Offered in 1924-25.)

III, 3 hours. Mr. Dean.

14. HOMER. Selections and collateral readings from the *Odyssey*. Study of life in the age of Homer. Lectures on the Homeric question. (Offered in 1924-25.)

III, 3 hours. Mr. Dean.

## HISTORY AND POLITICAL SCIENCE

PROFESSOR GEWEHR

ASSISTANT PROFESSOR GEORGE

## HISTORY

1-2. MODERN EUROPEAN HISTORY, 1500-1914. An introductory course intended distinctly for freshmen. The first semester's work covers the period to 1815 and the second semester's, from 1815 to 1914. Hayes' *Modern Europe*, volume I, and Schapiro's *Modern and Contemporary European History*, are at present used as texts in the course.

I and II, Mr. George; IV, Mr. Gewehr, 3 hours.

9d-10d. MEDIEVAL EUROPE. From the disruption of the Roman Empire to the Renaissance. The coming of the barbarian invaders, feudalism, the rise of the Christian Church and the Papacy, the crusades, the Medieval Empire, the development of culture and the rise of national states are some of the topics studied in this course. Alternate with courses 5a and 6a and offered in 1924-25. Not open to freshmen.

IV, 2 hours.

5a-6a. HISTORY OF ENGLAND. A general course dealing with the political, social and cultural history of the nation and of especial value to students of literature and those expecting to enter law. Alternate with courses 9d and 10d and not offered in 1924-25. Not open to freshmen.

IV, 2 hours.

3-4. HISTORY OF THE UNITED STATES SINCE THE COLONIAL PERIOD. A foundation course based upon Muzzey, *The United States of America*, volume I, and Lingley, *Since the Civil War*. The course is a prerequisite for all advanced courses in American History and normally should be taken in the sophomore year. Not open to freshmen.

III, 3 hours.

7b-8b. RECENT HISTORY OF EUROPE. The diplomatic background of the Great War, the war itself, the Versailles conference and the peace treaties, the new states of Europe, problems of reconstruction, the revival of Turkey and developments since 1918 are the principal topics studied in this course. Prerequisite History 1-2 or equivalent. Intended for juniors and seniors. Alternate with courses 19 and 20 and offered in 1924-25.

I, 3 hours.

19. THE NEAR EAST. This course deals primarily with the history of the Balkan States from the earliest times to the present. The coming of the Slavs, the rise and disruption of the old Turkish Empire, development of the modern Balkan nations, Near East problems since the Great War. Stress is placed upon contemporary events. Prerequisite courses 1-2. Intended for juniors and seniors. Alternates with course 7b and not offered in 1924-25.

I, 3 hours.

20. THE HISTORY OF LATIN AMERICA. From the colonization by the Spanish and Portuguese to the present. The institutions of the old regime, the wars of independence, development and problems of the new nations and their relations to the United States are emphasized. Intended for juniors and seniors. Alternates with course 8b and not offered in 1924-25.

I, 3 hours.

17a-18a. THE ANCIENT WORLD. From the dawn of civilization to the period of Justinian. First semester, the Orient and Greece; second semester, Roman History. Intended for juniors and seniors but open to sophomores by permission. Given by the Department of Latin.

VI, 3 hours. Professor Dean.

15a. THE AMERICAN COLONIES. The colonization of North America, the development of institutions in the English colonies, the struggle with New France, the background of the American Revolution are studied. Prerequisite, courses 3-4 or equivalent. Alternates with course 16a and not offered in 1924-25.

II, 3 hours.

16a. THE WESTWARD MOVEMENT. The dominant influence in the shaping of American national life and institutions has been the westward movement of the frontier. The history of this frontier from the Alleghenies to the Pacific is traced together with its problems and its contributions to our national life. Prerequisite, courses 3-4 or equivalent. Alternates with course 15a and is not offered in 1924-25.

II, 3 hours.

13-14. CONSTITUTIONAL HISTORY OF THE UNITED STATES, 1763-1865. An advanced course for juniors and seniors in which it is aimed to study the great constitutional problems and controversies in American History through the period of the Civil War. Prerequisite, courses 3-4 or equivalent. Alternate with courses 15a and 16a and offered in 1924-25.

II, 3 hours.

## POLITICAL SCIENCE

### ASSISTANT PROFESSOR GEORGE

1. AMERICAN FEDERAL GOVERNMENT. A basic course devoted primarily to the organization, work and problems of the Government of the United States. No prerequisite. Offered both semesters. (First semester, IV; second semester, III).

IV, 3 hours.

2a. AMERICAN STATE GOVERNMENT. Commonwealth constitutions, the organization and operation of legislative, executive, and judicial branches, together with such special topics as direct legislation, are the chief objects of study. Prerequisite, course 1.

IV, 3 hours.

3-4. AMERICAN MUNICIPAL GOVERNMENT. Emphasis is put on the political position of the city, the forms of city government, and municipal administration. Prerequisite, course 1. Two hours through the year.

III, 2 hours.

9. POLITICAL PARTIES. A study of the development, composition, machinery, purposes and methods of political parties in the United States. Prerequisite, course 1.

III, 3 hours.

5a. EUROPEAN GOVERNMENT. The governments of the leading European States are studied, and frequent comparison made both *inter se* and with American Federal Government. Prerequisite, course 1. (Not offered 1924-25.)

III, 3 hours.

11-12. INTERNATIONAL LAW. Prerequisite, Political Science 1, and History 1 and 2. Two hours through the year. (Not offered 1924-25.)

III, 2 hours.

10. AMERICAN PUBLIC FINANCE. This course deals with the expenditures, revenues, debts, and financial administration as problems of American government operation. Prerequisites, Political Science 1 and 2. (Not offered 1924-25.)

III, 3 hours.

## LATIN

PROFESSOR DEAN

MRS. CRESSEY

Students taking Latin with a view to the degree of Bachelor of Arts, or taking a Latin sequence for either of the other bachelor's degrees, will take courses 1 to 4 in order, and such advanced courses as may be desired thereafter.

All courses in the department are open as electives to any student who, in the judgment of the instructor, has had sufficient Latin to pursue the work with profit. Of the language courses, 1-2 must precede any of the more advanced work. Courses 11-12a, on Roman Life and Classical Mythology, are open to all college students.

A. Selections from the Orations of Cicero, or from Ovid's *Metamorphoses*. Intensive work in form and syntax; prose composition; sight translation. Open to students who have had 2-3 years of secondary Latin.

First semester, II, 4 hours.

B. VIRGIL. Selections from the first six books of the *Aeneid*; supplementary work as in course A. Prerequisite, course A, or 3 years of secondary Latin.  
Second semester, II, 4 hours.

1. LIVY. Selections; drill in Latin syntax; practise in sight reading.

I and III, 4 hours.

2. HORACE. Odes and Epodes. Notes on Roman Poetry.

I and III, 4 hours.

3. LATIN COMEDY. Plautus and Terence, three or more plays. Notes on the history of Ancient Drama. Sight reading.

IV, 4 hours.

4. PLINY AND CATULLUS. Letters and Poems with some attention to the social life of the periods in which they were written.

IV, 4 hours.

5. TACITUS, MINOR WORKS OR LETTERS OF CICERO. Emphasis is placed on social and political conditions and problems suggested by the text. Alternates with course 8, and is not offered in 1924-25.

II, 3 hours.

6. THE ROMAN EPIGRAM AND ELEGY. Selections from Martial and the Elegiac poets. Alternates with course 7 and is not offered in 1924-25.

II, 3 hours.

7-8. VIRGIL. A study of the poems of Virgil and their place in the history of literature from points of view which cannot be emphasized in the preparatory school. The two semesters are not open to election separately. Especially advised for students who expect to become teachers of Latin in secondary schools. Open to juniors and seniors who have had not less than three semesters' work in this department. These courses alternate with 5-6 and are offered in 1924-25.

II, 3 hours.

9-10. LATIN WRITING. A course in composition, open to students who have had Freshman Latin, and especially advised for those who are preparing to teach Latin. Course 10 will not be offered in 1924-25.

II, 2 hours.

10a. METHODS IN LATIN. Lectures on teaching Latin in secondary schools. Discussion and study of special points, such as the aims of the study of Latin, high school Latin courses and text-books, and the correlation of Latin with other studies. Training in reading Latin aloud. Offered in 1924-25.

II, 2 hours.

11. ROMAN LIFE. An outline of the more important phases of Roman character and achievement. The text book will be supplemented by notes and assigned reading, with photographs and illustrations for certain portions of the work.

VI, 2 hours.

12a. LATIN LITERATURE AND CLASSICAL MYTHOLOGY. A brief survey of the literary history of the Romans, and a study of the myths of the Greeks and Romans with especial reference to their influence in English Literature.

VI, 2 hours.

## DENISON UNIVERSITY

## LIBRARY SCIENCE

PROFESSOR DOWNEY

ASSOCIATE PROFESSOR NETHERCUT

1. CLASSIFICATION. This course is based upon the Dewey Decimal Classification as a text. II, 1 hour.

2. REFERENCE WORK. The arrangement and scope of the principal books of reference are studied. Kroeger-Mudge is used as a text. II, 1 hour.

3. LIBRARY METHODS. The problems of library technique are studied and practice is given. II, 2 hours.

4. CATALOGUING. The rules for cataloguing are studied with actual practice in making a sample catalog. II, 2 hours.

## MATHEMATICS

PROFESSOR WILEY

ASSOCIATE PROFESSOR PECKHAM

ASSISTANT PROFESSOR SHEETS

MR. LEMON

MR. RUPP

Freshmen must register for course 1 or 1b. Those who have had trigonometry in high school must register for freshman mathematics at Period IV.

Those students whose knowledge of elementary algebra is inadequate for the freshman work will be required to take, in addition to the regular course, a two-hour non-credit course in review of algebra.

Courses 1, 2, 3, 4, 5 form a sequence as do courses 1b, 2b, 3b, 4b. The second sequence is advised by the heads of the departments of Astronomy, Engineering, Mathematics, and Physics for students who anticipate doing their major work in any of these departments, and should be elected by students who have had trigonometry in high school or otherwise excel in high school mathematics.

1. PLANE TRIGONOMETRY. I, II, III, IV, VII, 3 hours.
2. COLLEGE ALGEBRA. I, II, III, IV, VII, 3 hours.
- 1b-2b. PLANE TRIGONOMETRY, COLLEGE ALGEBRA, ANALYTIC GEOMETRY.  
A combined course covering the ground of courses 1, 2, and 3.  
III, IV, 5 hours.
3. ANALYTIC GEOMETRY. This course is a continuation of courses 1-2.  
Sophomore year. Prerequisite, six hours of credit in freshman mathematics.  
II, 4 hours.
4. DIFFERENTIAL CALCULUS. An elementary course designed to follow  
course 3. Sophomore year, second semester. Prerequisite, course 3 or 2b.  
II, 4 hours.
5. INTEGRAL CALCULUS. Designed to follow course 4. Prerequisite,  
course 4 or 3b. III, 4 hours.
- 3b-4b. DIFFERENTIAL AND INTEGRAL CALCULUS. (Extended Course).  
Designed to follow course 1b-2b. Prerequisite, course 2b or 3. I, 5 hours.
7. ADVANCED ANALYTIC GEOMETRY. This course continues the treat-  
ment begun in the elementary courses 3 and 2b. Prerequisite, course 3b or 4.  
Offered in 1924-25. II, 4 hours.
8. THEORY OF EQUATIONS. This course covers the theory of the al-  
gebraic equation and other selected topics in algebra. Prerequisite, course  
3b or 4. Alternates with course 10 and is not offered in 1924-25.  
III, 4 hours.
10. MATHEMATICAL THEORY OF INVESTMENT. An introduction to the  
Algebra of certain forms of investment, and to the fundamental principles  
of life insurance. Prerequisite, course 1b or 2. Alternates with course 8,  
and is offered in 1924-25. III, 3 hours.
12. THE TEACHING OF MATHEMATICS. This course is designed for  
those preparing to teach secondary school mathematics. III, 2 hours.
17. ADVANCED CALCULUS. The content of this course will vary some-  
what from year to year to meet the needs of the students electing it. Offered  
in alternate years and not in 1924-25. Prerequisite, course 5 or 4b.  
II, 4 hours.
18. DIFFERENTIAL EQUATIONS. An introductory course. Prerequisite  
course 4b or 5. Offered in alternate years and not in 1924-25. II, 4 hours.
20. VECTOR ANALYSIS. A concise treatment of the fundamental prin-  
ciples of the subject, with selected applications to geometry and mathematical  
physics. Prerequisite, course 5 or 4b. Alternates with course 18 and is  
offered in 1925-26. II, 4 hours.

## MILITARY SCIENCE AND TACTICS

PROFESSOR CAPTAIN McLAIN

ASSISTANT PROFESSOR CAPTAIN BROWN

The department offers a Basic and an Advanced Course each being of two years duration. A commission as Second Lieutenant of Infantry in the Officers' Reserve Corps with assignment to a Reserve Corps organization where desired is tendered to each student who successfully completes the Advanced Course.

1-4. **BASIC COURSE.** A two-year progressive course, the first year of which is planned to include the essentials of the training of the infantry soldier, including infantry drill regulations, rifle marksmanship, scouting and patrolling, physical training, military courtesy, and signalling. The work of the second year is intended to teach the duties of the infantry non-commissioned officers and all students are given the opportunity to act as such in the training of new students. Additional subjects of this year are map reading and military sketching, bayonet combat, use of the automatic rifle, and hand rifle grenades, musketry, military hygiene, sanitation, and first aid to the injured, and command and leadership. The course is open to all physically fit male students who are American citizens but should be commenced at the beginning of the freshman year by all who desire to complete the full course and receive the reserve commission which is tendered to those only who pursue the course for the full four years. A student who enrolls in this course is required to complete the two-years' work as a prerequisite for graduation, unless excused by the college authorities upon recommendation of the Professor of Military Science and Tactics. 2 hours credit each semester, 3 hours per week. Monday VI or VII, Wednesday VI-VII, 2 hours.

A SUMMER CAMP of six weeks duration commencing about June 17th, conducted annually by the War Department, is open to all students of this department who have had one year of college military training. Attendance is optional.

5-8. **ADVANCED COURSE.** Practical application of the subjects of course 1-4. Students continue to serve as non-commissioned officers and later as officers in the instruction and training of students in the Basic Course. The work of the third year includes military field engineering, use of the machine gun, the one-pounder cannon, and the light trench mortar, military law and the rules of land warfare, and command and leadership. During the fourth year are taught military administration, military history and policy of the United States, tactics, command and leadership, and pistol marksmanship. This course is open to those who have successfully completed courses 1-4



and who have showed such fitness therein as to cause their selection by the President of the University and acceptance by the War Department. Students permitted to enroll in this course sign government contract to pursue the course for two years, if they remain in college, and to attend one summer camp. This contract places no obstacle in the way of the signer withdrawing from college or changing to another college. Camp attendance is normally in the summer between the junior and senior years, but for satisfactory reasons may be taken after graduation. 4 hours credit each semester, 5 hours per week.

5-6. Mon., Tues., Wed., Thurs., Fri., III or IV, 4 hours.

7-8. Mon., Tues., Wed., Thurs., Fri., I or II, 4 hours.

## MODERN LANGUAGES

PROFESSOR CHAMBERLIN

ASSOCIATE PROFESSOR ODEBRECHT

ASSISTANT PROFESSOR NUNEMAKER

MISS ROSEMOND

MRS. SKINNER

Two years' work in Modern Languages, in addition to whatever credits may have been earned in secondary schools, is required of all students as a condition for graduation.

## GERMAN

1-2. **ESSENTIALS OF GERMAN.** A beginning course extending through the year, including the principles of German grammar, the reading of short stories and lyric poetry, and use of the foreign language in oral and written exercises. IV, 4 hours.

3. **STORIES BY MODERN AUTHORS.** Familiarity with the vocabulary and style of German is developed through the reading of modern stories by such authors as Baumbach, Riehl and Theodor Storm, with daily use of German in the class. Review of the grammar, advancing to more difficult points of syntax and style. Prerequisites, Courses 1-2, or 2 years of German in secondary school. I, 4 hours.

4. **CLASSICAL LITERATURE.** Some of Schiller's lyrics and one or more of his dramas, usually *Wilhelm Tell*, and Goethe's *Hermann und Dorothea* are read, with attention to the poetic and dramatic principles, and with an introductory study of the classical period of German literature. Prerequisites, Courses 1-3. I, 4 hours.

11-12. SCIENTIFIC GERMAN. A year's course for students interested in scientific works. General articles on different branches of science are chosen for the first semester's reading, and special articles in periodicals for the second semester. Co-ordinate with Courses 3-4 and same prerequisites.

II, 4 hours. Professor Biefeld.

## FRENCH

1-2. BEGINNERS' FRENCH. A year's work, comprising the essentials of French grammar, easy reading, and an introduction to the spoken and written language; pronunciation is taught according to phonetic symbols; daily use of French in oral and written exercises. II, III, VI, 4 hours.

3. NARRATION. Stories and sketches by modern authors, as *Lettres de mon Moulin* and *Le Petit Chose*, by Daudet, and *Le Paris d'aujourd'hui* by Schoell, are used and form the basis of daily practice in reading, speaking and writing French; continuation of the study of French grammar, with emphasis upon the irregular verbs, the infinitive and subjunctive moods. Prerequisites, Courses 1-2 or 2 years of French in secondary school.

II, IV, VII, 4 hours.

4. NOVEL AND DRAMA. Continuation of Course 3. Modern works, as those of Bazin and Anatole France, and a comedy are read, accompanied by a deeper study of French idioms and style; direct use of French. Prerequisites, Courses 1-3.

II, IV, VII, 4 hours.

5. NINETEENTH CENTURY FICTION. Masterpieces of French modern literature, as *Eugenie Grandet* by Balzac, *Pecheur d'Islande* by Pierre Loti, *Le Crime de Sylvestre Bonnard* by Anatole France are read, with careful attention to style; dictations, resumes and themes in French. Prerequisites, Courses 1-4.

I, 3 hours.

6. THE CLASSICAL DRAMA. Careful study of several plays of Corneille and Racine; versification and dramatic technique; written reports in French. Prerequisites, Courses 1-5.

I, 3 hours.

7. MOLIERE. A study of the life and works of Moliere in their relation to French society of the 17th century; reading of plays in class, with comments and lectures; written reports on outside reading. Prerequisites, Courses 1-6.

III, 3 hours.

8. SURVEY OF FRENCH LITERATURE. Brief review of French literature from the Middle Ages to the present, by lectures and assigned readings; *Litterature Francaise* by Roz forms the basis of the study. Selections from prose and poetry of different periods. Prerequisites, Courses 1-6.

III, 3 hours.

## ITALIAN

PROFESSOR ODEBRECHT

1. ELEMENTARY COURSE. Grammar, pronunciation and reading; written exercises. Amicis' *Cuore*, or Wilkins' and Altrocchi's *Italian Short Stories*. Prerequisites, French 1-2 or Spanish 1-2. IV, 4 hours.

2. CONTINUATION OF COURSE 1. Manzoni's *I Promessi Sposi*; Goldoni's *La Locandiera*, *Il Vero Amico*. IV, 4 hours.

## SPANISH

PROFESSOR NUNEMAKER

MISS ROSEMOND

1-2. BEGINNERS' COURSE. Hills and Ford: *First Spanish Course*. Grammar and composition, conversation, and reading. I, IV, VI, 4 hours.

3-4. INTERMEDIATE COURSE. Review of grammar, oral and written use of Spanish. Reading from such authors as Valdes, Alarcon, Galdos, and Pardo Bazan. Prerequisite, 1-2. I, III, 4 hours.

5. THE MODERN SPANISH NOVEL. Readings from representative authors in the field of the Realistic Novel beginning with Fernan Caballero. Collateral readings and reports. Prerequisite, 1-4. (Not offered 1924-25.) II, 3 hours.

6. THE MODERN SPANISH NOVEL. Course 5 continued and brought down to the present. Prerequisite, 1-5. (Offered 1924.) II, 3 hours.

7. CERVANTES. The *Quijote* and the *Novelas Ejemplares*. Prerequisite, 1-4. (Alternates with Course 5 and is offered in 1924-25.) II, 3 hours.

8. DRAMA OF THE GOLDEN AGE. Reading of selected works of Lope de Vega, Calderon, Tirso de Molina, Ruiz de Alarcon. Prerequisite, 1-4, and 7. (Alternates with Course 6 and is offered 1925.) II, 3 hours.

## MUSIC

PROFESSOR ESCHMAN

MISS LOUGH

Courses in this department are open to all students of the University without prerequisites. For students taking a principal sequence in Music, it is recommended that courses 1a-2 and 3-4 be taken in the freshman, 7-8 in the sophomore, 9-10 in the

junior, and 13-14 in the senior year. Courses 5, 6, 11, and 12 may be taken in any year.

1. APPRECIATION OF MUSIC. Primarily for college students. A course in the development of musical appreciation, without prerequisites. Students paying regular college tuition may elect the course without extra charge. For others the fee is \$8.00. VII, 2 hours.

1a. TERMINOLOGY. Primarily for Conservatory students. II, 2 hours.

2. PHYSICAL BASIS OF MUSIC. Fee, \$8 for Conservatory students. Students paying full college tuition may elect these courses without extra charge. VII, 2 hours.

3-4. ELEMENTARY HARMONY. Fee, \$8 each semester to Conservatory students. Students paying full college tuition may elect these courses without extra charge. II, IV, 2 hours.

5. HISTORY OF MUSIC TO THE EIGHTEENTH CENTURY. Fee, \$12. VI, 3 hours.

6. HISTORY OF MUSIC, FROM THE EIGHTEENTH CENTURY TO THE PRESENT TIME. A continuation of course 5, but may be elected separately. Fee, \$12. VI, 3 hours.

7-8. ADVANCED HARMONY. Fee, \$12 each semester. IV, 3 hours.

9-10. COUNTERPOINT. Fee, \$12 each semester. III, 3 hours.

11-12. MUSICAL FORM. Fee, \$8 each semester. III, 2 hours.

13-14. STRICT COMPOSITION. Fee, \$8 each semester. II, 2 hours.

15-16. FREE COMPOSITION. Fee, \$8 each semester. I, 2 hours.

17-18. PUBLIC SCHOOL MUSIC METHODS. Fee, \$8 each semester. I, 2 hours.

19-20. PRACTICE TEACHING IN MUSIC. Fee, \$12. Total credit 3 hours. May be taken in either semester or divided with one and one-half hours credit each semester and \$6 fee.

21-22. Choral or ensemble training, hours to be arranged. 3 hours of choral or ensemble training are required for 1 hour of college credit. This course may be repeated in successive years, but not more than 4 hours may be applied towards any college degree.

## PHILOSOPHY

PROFESSOR SPENCER

3. INTRODUCTION TO HISTORY OF PHILOSOPHY. This will include the study of Greek Philosophy, the philosophy of the early Christian period and that of the Middle Ages. Careful attention will be given to the development of the great philosophical theories and to leading the students into accurate, independent and deeper thinking. Open to juniors and seniors. Others by permission of instructor. III, 2 hours.

4. HISTORY OF MODERN PHILOSOPHY. This will include the systems of Des Cartes, Spinoza, Locke, Berkeley, Rousseau, Kant, Hegel, Comte, Darwin, Spencer and James. Open to juniors and seniors and others who have had Philosophy 3. III, 2 hours.

6. LOGIC, DEDUCTIVE AND INDUCTIVE. The subject is treated not merely as a system of mental gymnastics but as a method of practical training for philosophical, scientific and judicial investigation. Open to sophomores, juniors and seniors. VII, 3 hours.

7. ARGUMENTATION. A careful study of the subject matter and form of propositions, the definition of terms, the analysis of the contentions, the discovery of the main issues, evidence, persuasion, and refutation. Brief-making, pleading, and debating followed by judicial criticism. Open to sophomores, juniors and seniors. VII, 3 hours.

8. ARGUMENTATION APPLIED. Students taking part in the inter-collegiate debating teams may enroll in a regular class, under the instruction of the Professor of Logic, who is also Chairman of the Faculty Committee on Inter-collegiate Debating. When the work is satisfactorily done, scholastic credit is given. I to 3 hours.

9. EVIDENCES OF CHRISTIANITY. The view of the world from the standpoint of the Christian compared with conflicting philosophical theories; the character of Jesus Christ; the evidence of Christian experience; early and later historical testimony, and the fruits of the Christian religion. Open to sophomores, juniors and seniors. VI, 3 hours.

10. ETHICS. A discussion of the principles that obtain in moral conduct, and of their application. Open only to juniors and seniors, with exceptions as noted under course I. III, IV, 3 hours.

11. SURVEY OF PHILOSOPHICAL PROBLEMS. The purpose of this course is to investigate and classify the outstanding philosophical theories and principles which have created great interest and have exerted an abiding influence. Prerequisites, Philosophy 3 and 4. 2 hours.

12. PHILOSOPHY AND RELIGION. How are these related? Is there any necessary antagonism between them? Have the great philosophers been religious? Have the great theologians been philosophers? How does Christianity affect Philosophy? How has Philosophy affected Christianity? The foregoing are some of the questions to be taken up in this course.

There will be lectures, selections, and carefully prepared discussions by members of the class. Prerequisites, six hours of Philosophy. 2 hours.

## PHYSICAL EDUCATION

PROFESSOR LIVINGSTON

MR. JENKINS

MR. MC MAHON

1. REQUIRED OF EVERY FRESHMAN. The work in this course is based on a thorough physical examination and strength tests given at the beginning of the entering semester, for purpose of classifying the students into similar ability groups. Ten efficiency tests are given at the end of the semester and must be passed before a student is permitted to take course 2. The course includes general body building exercises, gymnastics and athletic games.

1 credit, 3 hours.

2. REQUIRED OF EVERY FRESHMAN. A continuation of course 1.

1 credit, 3 hours.

3. REQUIRED OF EVERY SOPHOMORE. A continuation of Course 2.

1 credit, 3 hours.

4. REQUIRED OF EVERY SOPHOMORE. A continuation of Course 3.

1 credit, 3 hours.

5. THE TEACHING OF PHYSICAL EDUCATION. This course is intended for those who expect to enter Public School work. It includes the technique of teaching, planning and conducting class work; the organization of material and adaptation of various groups; special methods applied to the teaching of spring games, outdoor sports and gymnastics. Prerequisites, Courses 1-2. 2 lectures and two laboratory periods.

Mr. Jenkins and Mr. McMahon, 2 hours.

6. THE TEACHING OF PHYSICAL EDUCATION. Continuation of Course 5. Fall games, sports and indoor gymnastics. Prerequisites, Courses 1-2.

Mr. Jenkins and Mr. McMahon, 2 hours.

7. THEORY AND PRACTICE OF PHYSICAL EDUCATION. Prevention and care of injuries, including training of athletes, massage work, study and practice in the theory, strategy and mechanics of directing track and field sports. Boxing and wrestling. Prerequisites, Courses 1-4. 3 lectures and 2 laboratory periods.

Mr. Livingston, 3 hours.

8. THEORY AND PRACTICE OF PHYSICAL EDUCATION. A consideration of the more formalized types of activities and their application in elementary, secondary schools and colleges. Study of motor efficiency tests. Study and practice in the theory, strategy and mechanics of directing basketball, baseball, boxing and wrestling. Prerequisites, Courses 1-4 and 7. 3 lectures and 2 laboratory periods.

Mr. Livingston, Mr. Jenkins, Mr. McMahon, 3 hours.

9. THEORY AND PRACTICE OF PHYSICAL EDUCATION. Study and practice in the theory, strategy and mechanics of directing football, including judgment and psychology in handling men. Kinesiology, lectures dealing with the anatomical mechanics and movements. The purpose of this course is to acquaint the student with means of analyzing movements intelligently and prescribing programs of gymnastics and sports for development or corrective purposes. Prerequisites, Courses, 1-2-3-4-5-6-7-8. 3 lectures and 2 laboratory periods.

Mr. Livingston, 3 hours.

10. THEORY AND PRACTICE OF PHYSICAL EDUCATION. Therapeutic Gymnastics and physical examination, lectures, recitations and practice in giving exercises suitable for each condition. Text book study on Personal Hygiene, History and Principles of Physical Education. Prerequisites, Courses 1-2-3-4-5-6-7-8-9. 3 lectures and 2 laboratory periods.

Mr. Livingston, 3 hours.

## SHEPARDSON COLLEGE

ASSISTANT PROFESSOR ATWELL

MISS CHESNEY

MISS EMERY

MISS CAMPBELL

A course in physical education is required of all freshmen and sophomores, 3 hours per week, each course earning 1 credit hour

per semester. A physical examination of each student is made at the beginning of the year, the results of which are filed and used in assigning students to classes according to their respective needs.

1-2. FRESHMEN. Required for a degree. In the fall and spring seasons, 3 hours outdoor work in organized sports; track, archery, baseball, field hockey and tennis; in the winter season, indoor work: 2 hours, (a) gymnastics, or (b) corrective or remedial work, if the physical examination indicates the need of special work in these lines; 1 hour chosen from the following electives: elementary and advanced swimming, folk-dancing, elementary and advanced interpretive aesthetic dancing, elementary basketball.

One credit, 3 hours.

3-4. SOPHOMORES. Required for a degree. Advanced work on topics as in course 1-2. Prerequisite, 1-2 or its equivalent. One credit, 3 hours.

5-6. ORGANIZED SPORTS AND ADVANCED GYMNASTICS. Open to juniors and seniors who have completed courses 1-2, 3-4. No credit, 2 hours.

7-8. THEORY AND PRACTICE OF PLAY ACTIVITIES. A study of the fundamental theories of play, and practice in their application to the teaching of play activities, folk-dancing, and athletics. Open to juniors, seniors, and sophomores. 2 hours lecture and 2 hours in practical application per week. Prerequisite, courses 1-2, and Zoology 5. 3 hours.

## PHYSICS

PROFESSOR COONS

PROFESSOR CHAMBERLAIN

MR. HOWE

The major sequence consists of courses 1, 2, 3 and 4 with six additional hours in Physics. Students preparing for graduate work should elect courses 9, 10, 15 and 16 in addition to the above. The minor sequence consists of courses 1, 2, 3, and is a minimum preparation for students planning to teach physics in secondary schools.

1. GENERAL PHYSICS. Lecture demonstrations and recitations covering the more important principles of mechanics, sound and heat. Prerequisite, one year of high school physics. Mathematics 1 or 1b should accompany or precede this course. I, VI, 3 hours.



2. GENERAL PHYSICS. A continuation of Physics 1. Electricity, magnetism and light. Prerequisites, Physics 1, Mathematics 1 or 1b.

I, VI, 3 hours.

1a-2a. GENERAL PHYSICS. Laboratory courses paralleling the work of courses 1 and 2. Elective for students who are registered for Physics 1 and 2 and desire a less extensive laboratory training than is offered in Physics 3 and 4. Fee, \$2.00.

I-II, 2 hours.

3. LABORATORY PHYSICS. The essentials of mechanics, molecular physics and heat. Prerequisites, Physics 1-2, and Freshman Mathematics. Fee, \$3.00.

III-IV, 4 hours or VI-VII, 4 hours.

4. LABORATORY PHYSICS. The more fundamental experiments in sound, light, magnetism and electricity. Prerequisites, Physics 1-2 and Freshman Mathematics. Fee, \$3.00.

III-IV, 4 hours or VI-VII, 4 hours.

5. EXPERIMENTAL PHYSICS. An advanced course in Electrical Measurements. Prerequisites, Physics 1-4, and the Calculus. Fee, \$3.00.

VI-VII, 3 hours.

6. EXPERIMENTAL PHYSICS. An advanced course in light, consisting of measurements in diffraction and interference. Prerequisites, Physics 1-4, and the Calculus. Fee, \$3.00.

VI-VII, 3 hours.

7. THEORETICAL PHYSICS. A lecture course presenting the kinetic theory and elementary thermodynamics. Prerequisites, Physics 1-4 and the Calculus.

III, 3 hours.

8. THEORETICAL PHYSICS. A lecture course on the Electron Theory presenting the current ideas regarding the structure of the atom. Prerequisites, Physics 1-4 and the Calculus.

III, 3 hours.

9-10. ELEMENTS OF ELECTRICAL ENGINEERING. A lecture and laboratory course presenting the general theory of direct and alternating current circuits and their application to direct and alternating current machinery. Prerequisites, Physics 1-4 and the Calculus. Fee, \$3.00.

III, 2 hours, with one 4-hour laboratory period, 4 hours credit.

11. HISTORY OF PHYSICS. A lecture and library course treating the development of physics from an historical viewpoint. Prerequisites, Physics 1-4.

VII, 2 hours.

14. RADIO TELEGRAPH AND TELEPHONE. Laboratory work and lectures treating the fundamental principles underlying modern wireless telegraph and telephone circuits. Prerequisites, Physics 1-4. Fee, \$3.00. I-II, 3 hours.

15-16. **THESIS IN PHYSICS.** Elective for seniors who take their major work in Physics. Students who have shown ability to profit by such a course will be assigned a problem for individual investigation. 2 to 5 hours.

## PSYCHOLOGY AND EDUCATION

PROFESSOR LEWIS

ASSISTANT PROFESSOR HAWES

### PSYCHOLOGY

3. **BEGINNER'S PSYCHOLOGY.** The course will be limited to the minimum essentials of the subject. Consideration will be given to the psychology of the learning process, development and control of attention, memory training, as matters of practical personal value for the student. Open to freshmen and sophomores and only to those who cannot wait for Course 1. Consent of instructor required for admission. II, 3 hours.

1. **GENERAL PSYCHOLOGY.** A first course for juniors and seniors. An introductory study of the different functions of the mind and of those conditions and laws that give rise to mental activity and control its manifestations. The different types of consciousness and behavior will be dealt with in some detail. One section repeated second semester, III. III, IV, 3 hours.

5, 6. **PSYCHOLOGY OF EDUCATION.** An introduction to the fundamentals of educational theory and practice from the side of psychology and sociology. A study of the native tendencies and of the processes of learning. Educational development in relation to social life. Prerequisite, 1 or 3. Repeated second semester. VII, 3 hours.

8. **APPLIED PSYCHOLOGY.** A study of psychology from the point of view of its practical utility. Attention will be given to the extension of the subject into the fields of business, health, and matters of daily life. Prerequisite, 1 or 3. II, 3 hours.

10. **EXPERIMENTAL PSYCHOLOGY.** A study of the more important processes by the laboratory method. Sensation, attention, memory, imagery, association, and motor reactions. Prerequisite, 1 or 3. VI, 2 hours.

### EDUCATION

To teach in Ohio, one must have no less than fifteen semester hours of professional education. To secure a four-year provisional high school certificate in Ohio, one must have included in his college course at least twenty-four semester hours of professional work. Eighteen of the twenty-four semester hours are prescribed by the State Department of Education and are as follows:

Psychology	3 hrs.	Educational Psychology	2 hrs.
Hist. of Education	3 hrs.	Principles of Teaching	3 hrs.
Special Methods	2 hrs.	School Administration	2 hrs.
Practice Teaching	3 hrs.		

It will be well to consult the instructors in Education before choosing electives for professional credit.

A graduate of Denison University may secure a special provisional certificate, effective for four years, provided he includes in his course the following educational credits prescribed by the State Department of Education:

Educational Psychol.	3 hrs.	Principles of Teaching	3 hrs.
Hist. of Education	3 hrs.	School Administration	2 hrs.
Special Methods	4 hrs.	Practice Teaching	3 hrs.

In addition to the prescribed educational credits, one must have a total of twenty semester hours of credit in the subject in which he wishes the special certificate.

1. HISTORY OF EDUCATION. Lectures, outside readings, and class discussions. Survey of those programs and practices that were of consequence at the time and that still count in the education of today; Broad life forces will come up for parallel consideration to account for the educational changes.

II, Mr. Hawes; VI, Mr. Lewis, 3 hours.

2. HISTORY OF EDUCATION IN AMERICA. The historical development of American middle schools: grammar school, academy, high school, and normal school. Comparison with foreign systems. Present tendencies. Prerequisite, 1.

IV, 3 hours. Mr. Lewis.

5. METHODS OF TEACHING IN HIGH SCHOOL. General methods for prospective high school teachers. The course deals with the problems of high school teaching, but does not include administrative problems. Prerequisite, Psychology 1 or 3.

Mr. Hawes, VI and VII, 3 hours.

7-8. OBSERVATION AND PRACTICE TEACHING. Students will visit secondary school classes as observers and make reports. They will also teach under supervision, beginning this latter work sometime after they have begun making observation. Class schedules and conference hours to be arranged. Prerequisites, Courses 5 and 12. Repeated second semester.

3 hours. Mr. Hawes.

12. CLASS ORGANIZATION, MANAGEMENT, AND TESTING IN HIGH SCHOOLS. This course deals with classroom management as distinguished from instruction. It is intended for those who wish to acquaint themselves

with the types and methods of class organization, grouping of pupils, supervised study, standardized tests, records and reports.

VI and VII, 3 hours. Mr. Hawes.

13, 14. **PRINCIPLES OF SECONDARY EDUCATION.** Study of the secondary school pupil, his physical and mental traits, individual differences, social principles, and subject values. Prerequisite, Course 1. Repeated second semester.

IV, 3 hours. Mr. Hawes.

16. **SCHOOL ADMINISTRATION.** Survey of the following problems: state authorization and control of schools, state, county, city, township and district organization; the function of supervisory and administrative officers; the financial support of schools; school buildings and equipment; school laws; extension of school activities. Prerequisite, Course 12.

III, 2 hours. Mr. Hawes.

## PUBLIC SPEAKING

ASSISTANT PROFESSOR JOHNSTON

This department affords training in expression by finding and applying principles for developing the voice, mind, and body in reading and speaking. The work is in no sense a mere coaching for occasions, but a personal, cultural training which aims at helping the student gain command of his own creative powers.

1-2. **FUNDAMENTALS OF EXPRESSION.** A general preparatory course in the art of self-expression through speech and action. The aim is to enlarge the student's native powers, give him self-control, and awaken his interest in oral interpretation.

II, IV, VII, 3 hours.

3a-4a. **EXTEMPORE SPEAKING.** Practice in thinking in the presence of others and in presenting one's thoughts in a vigorous and attractive manner. The more common forms of occasional speech will be studied, with appropriate criticism by the instructor and class members. Parliamentary drill. Prerequisite, courses 1-2.

VI, 3 hours.

5a. **DRAMATIC READING.** This course aims to develop the ability to express privately or from the platform some of the greatest thoughts of the world's great minds. Study of the tone qualities, gestures, and attitudes employed by the reader as distinguished from the orator. Presentation of short scenes from standard plays. Prerequisite, course 1 or 2.

III, 3 hours.

6a. **ADVANCED READING.** A course intended for those who have a special talent or liking for dramatic expression. Portions of the poetry and prophecy of the Bible will be studied for public reading, also scenes from one or two Shakespearean tragedies. Prerequisite, course 5a.

III, 3 hours.

## SOCIOLOGY AND ECONOMICS

PROFESSOR DETWEILER

ASSISTANT PROFESSOR JOME

## SOCIOLOGY

1a. SOCIAL PROBLEMS. A review of certain outstanding and distressing facts in modern social life together with the attempted solutions. Open to all above freshman rank. I, III, 3 hours.

2a. SOCIAL EVOLUTION. The history of the origin and growth of the principal social institutions. Prerequisite, course 1a. I, III, 3 hours.

3. GROUP BEHAVIOR. An approach to a scientific social psychology based on actual social situations. Prerequisite, one course in Sociology and Philosophy 1. IV, 3 hours.

4. MAJOR SOCIAL PROBLEMS. This work is an advance upon Sociology 1a in that problems more fundamental are attacked and more intensive work is done. Considerable time is given to race problems in the United States. Prerequisite, Sociology 1a and 2a. IV, 3 hours.

5. POVERTY AND ITS RELIEF. A study of the causes of poverty, its relief and prevention; intended as a preparation for family case work (formerly called "charity"). Textbook, discussions, field work. Prerequisite, Soc. 1, 2, and Econ. 1, 2. II, 3 hours.

6. COMMUNITY ORGANIZATION. Definition of the community, rural, village, urban. The social survey or analysis of social forces. Community needs and programs, business, health, recreation, education, religion. Field work or observation in Granville and Newark. Textbook, lectures, and the project. Prerequisites, Sociology 1, 2, and 3. II, 3 hours.

7-8. HISTORY OF SOCIAL REFORM. Social reform is taken in a broad sense to include efforts for social betterment, theories of social progress, utopias, organized philanthropy, and popular revolutionary movements. Prerequisites, Sociology 1, 2; History 1, 2. II, 2 hours.

## ECONOMICS

ASSISTANT PROFESSOR JOME

1-2. ELEMENTARY ECONOMICS. Consideration is given to the wealth-getting and wealth-using activities of mankind, nature and organization of production, mechanism of exchange, consumption, attitude of government toward industry, socialism, valuation and distribution. Special emphasis is placed on modern economic problems. Not open to freshmen.

III, IV, 3 hours.

3. **MONEY AND COMMERCIAL BANKING.** Money as a medium of exchange and standard of value; problem of stabilizing prices; credit; exchange; banking and foreign trade; banking and the business cycle; government regulation of banking; practical bank operation; the Federal Reserve System, its operation and history. Prerequisites, Courses 1-2.

VI, 3 hours.

4. **LABOR PROBLEMS.** The industrial revolution, the development of capitalist and labor classes, the legal economic and social problems involved, the attempted solutions such as trade-unionism, socialism, legislation. Not offered 1924-25. Alternates with Course 8. Prerequisite, Courses 1-2, or concurrent registration in Course 2.

VI, 3 hours.

5. **BUSINESS ORGANIZATION.** Analysis of the problems confronting the business man in his choice of a type of business organization, the organization and operation of corporations. About one half of the time is devoted to a study of the movement toward industrial combination. This course is planned to give an external view of our business life. Prerequisite, Courses 1-2. With the consent of the instructor this course may be taken concurrently with Course 1. Not offered 1924-25.

I, 3 hours.

6. **CORPORATION FINANCE.** An internal view of corporations—a study of their financial policy. Corporate securities; promotion; administration of income, reserves, surplus, and dividends; expansion and its problems; failure and reorganization. Prerequisites, Courses 1-2. Not offered 1924-25.

I, 3 hours.

8. **PROBLEMS IN TAXATION.** Consideration given to both federal and state tax problems. Prerequisites, Courses 1-2. Alternates with Course 4. Offered 1924-25.

VI, 3 hours.

9. **BUSINESS LAW.** A survey of the field. The law of contracts, sales, commercial paper, agency, partnership, corporations. A case course aided by supplementary text book reading. Prerequisite, Courses 1-2. Offered 1924-25.

I, 5 hours.

10. **PRINCIPLES OF ACCOUNTING.** The subject matter of this course includes: the theory of debit and credit; the construction of the balance sheets and operating statement; general principles of valuation; methods of computing depreciation; treatment of profits, surplus and reserve; dividends; the sinking fund, classification of accounts; types of business organization with reference and the accounting procedure in connection with each. Sufficient book-keeping will be introduced to aid the student in his study of the theory. Prerequisites, Courses 1-2.

I, 5 hours.

11-12. **SEMINAR.** Open to advanced students whose aims and abilities may justify the giving of the course. Prerequisite, twelve hours in economics and consent of instructor. Minimum registration eight. Hour to be arranged. Not offered 1924-25.

2 hours.

## ZOOLOGY

PROFESSOR LINDSEY

MISS TAYLOR

Course 1-2 of the department of Botany may be substituted for Zoology 1-2 as preparation for advanced work. Courses 1-2 and 3-4 meet the entrance requirements of medical colleges but 9-10 and 11-12 are recommended in addition for students who plan to select their principal sequence in this department. Credit may not be received in both 13 and 6a.

1-2. GENERAL ZOOLOGY. An introductory course including text assignments, lectures and laboratory work. The biological aspects of the science are considered, including the properties of living matter, the cell, heredity and topics of like nature. In addition a general survey of the animal kingdom based on classification and morphology is pursued in class and in the laboratory. Fee, \$1.25 per hour of credit. 4 hours. Lectures Mon., Wed. I. Laboratory any two of the assigned two-hour periods:

Tue., Thurs., I-II; Fri., I-IV; Mon., Wed., VI-VII.

5. PHYSIOLOGY AND HYGIENE. A study of the normal functions of the human body, common causes of impairment, and the proper conduct of the physical life of the individual. Open to all students. III, 2 hours.

13. THE THEORY OF EVOLUTION. Open to general election. Planned for popular instruction for those who have had no previous work in zoology. Lectures. II, 2 hours.

14. PRACTICAL ZOOLOGY. A survey of the animal kingdom in its relations to man. Lectures. Open to general election. II, 2 hours.

3-4. VERTEBRATE ZOOLOGY AND COMPARATIVE ANATOMY. A study of the definitive structures, ancestry, ecology, and briefly of the classification of the vertebrates. A little more than one semester is devoted to the comparative anatomy of these animals. Text assignments and lectures. Laboratory work consists of detailed dissections and comparative studies of the dog-fish, an amphibian, a reptile and a mammal, with other subjects at the discretion of the instructor. Prerequisite, Zoology 1-2. Lectures Tues., Thurs., III. Laboratory Wed., Fri., III-IV or Mon., Wed., VI-VII. Fee, \$1.25 per hour of credit. 4 hours.

9-10. EMBRYOLOGY. A study of the formation of the germ cells, cleavage, the germ layers, and the development of adult structures in the vertebrates. Laboratory work includes the preparation of embryological material

and studies of cell behavior and of frog, chick and pig embryos. Prerequisite, Zoology 1-2. Fee, \$1.25 per hour of credit. Lectures Tues., Thurs., III; Laboratory Wed., Fri., III-IV. (Omitted 1924-25.) 4 hours.

7a. BIOLOGICAL THEORY. A study of genetics and eugenics. Text or lectures and assigned readings. Prerequisite, Zoology 1-2. I, 2 hours.

6a. BIOLOGICAL THEORY. Readings and discussions on the theory of evolution, including evidence from the different branches of science and the salient theories of method. Prerequisite, Zoology 1-2, or may be carried with 2 by special permission. I, 2 hours.

17-18. ENTOMOLOGY. The morphology, classification and economic importance of insects, with methods of control. A brief introductory course. Laboratory work includes a survey of insect morphology and enough work in the identification of insects to enable the student to recognize the common families. Lectures Tues., Thurs., IV; laboratory Mon., III-IV. Fee, \$1.25 per hour of credit. (Omitted 1924-25.) 3 hours.

11-12. HISTOLOGY AND CYTOLOGY. Individual laboratory work in histological methods and a study of the student's own preparations. Prerequisite, Zoology 1-2 and either 3-4 or 9-10. Hours to be arranged. Fee, \$1.25 per hour of credit. (Omitted 1924-25.)



# The Conservatory of Music

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## FACULTY

KARL H. ESCHMAN, A.M.

*Fellow of the American Guild of Organists  
Director and Professor of Music*

Graduate of Denison Conservatory in Piano and Organ;  
Graduate Student, Harvard University, 1911-12, under Walter  
R. Spalding and Edward Burlingame Hill; 1912-13, under Hugo  
Kaun and Piano under Victor Heinze, Berlin.

FANNIE JUDSON FARRAR

*Head of Piano Department*

Pupil in Piano of J. Emil Ecker, Toledo, Ohio; Constantin  
Sternberg, Philadelphia; Bertrand Roth, Dresden; Tobias Matthay  
and Claude F. Pollard, London. Student in Vienna and in  
Musical Kindergarten of Mrs. Fannie Church Parsons, Chicago.

GAYLE INGRAHAM SMITH

*Violin*

Pupil of A. R. Bunker of Boston, and Luigi von Kunits,  
Pittsburgh. Artist graduate of the Cincinnati Conservatory under  
Tirindelli and Edgar Stillman Kelly.

MARY RECKARD FITCH

*Voice*

Pupil of D. A. Clippinger, Hannah Butler and Lemuel Kilby,  
Chicago; Head of Voice Department, Academy of Our Lady;  
Instructor in Lyceum Arts Conservatory, Chicago.

R. EDGAR VEITH

*Voice*

Pupil of John Hoffman, Frederick Root and Campanari.

ROWLAND P. DOWNING, MUS. B.,  
*Organ and Piano*

Graduated, O. W. U. 1913; Denison Conservatory Diploma in Organ, 1918; Mus. B., Bethany College, 1920; Head of Music Department, Howe School, Indiana; Pupil of Heinroth and Arthur Kraft.

MARTHA V. LOUGH  
*Public School Music*

Graduate of Public School Supervisor's Course under Karl W. Gehrkins; graduate of Oberlin Conservatory; director of Music in the Harlan Public Schools, Kentucky; supervisor of music in the Granville Public Schools and instructor in Theory of Music in the Conservatory.

WILLIAM M. WELLS  
*Violincello*

Graduate of the Royal Conservatory, Wurzburg. Member of the Cincinnati Symphony and the Philharmonic Orchestra; for seven years, under Walter Damrosch in the New York Symphony Orchestra.

## GENERAL INFORMATION

### ENTRANCE REQUIREMENTS

There are no formal entrance requirements beyond the evidence of ability to profit by the instruction offered. The work of the year is divided into two semesters (see the University Calendar on page 5), and students may best enter the Conservatory at the beginning of a semester, although private lessons may be taken up at any time. No registrations are accepted, however, for less than the remainder of the semester.

### COLLEGE CREDIT

Denison University grants college credit for work in the theoretical courses of the Conservatory, on an equal footing with other elective studies, and a course leading to the degree of Bach-

clor of Philosophy may be taken with the Theory of Music as its major subject. Thus students working for the diploma of the Conservatory may at the same time apply the theoretical part of their course toward a bachelor's degree from the University.

#### REQUIREMENTS FOR GRADUATION

##### A—MUSICAL STUDIES

Requirements for Conservatory Graduation are outlined on the basis of 128 semester hours, on pages 9-10 of the Conservatory Bulletin which can be secured from the Director. Courses 1-14 in the Department of Theory are required of all graduates.

##### B—LITERARY STUDIES

In addition to the musical studies required, candidates for graduation must satisfy the full requirements for entrance to the freshman class of Denison University, and complete two years of English, courses 1-4, six hours in the Department of Philosophy and Education, and eight hours college elective, preferably in Language.

#### DIPLOMAS AND CERTIFICATES

The Conservatory diploma is granted on recommendation of the Conservatory Faculty to students who have completed the prescribed course of study in any of its departments, together with the general requirements described above. Each candidate for the diploma must give a public recital during the senior year. To students substituting a certain amount of work in Normal Training or public school music for the graduating recital and giving promise of aptitude for teaching, a certificate is granted instead of the diploma. Students completing satisfactorily any integral part of the work offered in the various departments of the Conservatory, involving not less than a year's study, may obtain an officially signed statement to that effect, together with a copy of the Registrar's record.

#### PUBLIC SCHOOL MUSIC

A three year course in this department is outlined in full in the Conservatory bulletin (p. 12-13). A fourth year may be

added in the future, although the requirement in Ohio and many other states is for a two year course. Thorough and adequate preparation is supplemented by practice teaching in the public schools. Graduates receive the State Certificate without further examination.

#### MUSIC LIBRARY

The music branch of the University Library, consisting of over seven hundred volumes of literature and music, is housed at the Conservatory, and is available on the same terms as the main library. There is also a collection of primitive musical instruments of great interest, most of which have been presented by Denison alumni.

#### PRACTICE PIANOS

The Conservatory is equipped with practice pianos of the highest grade. Hours and rooms for practice should be engaged at the time of registering, and no other use of instruments or rooms is allowed without special permission.

#### RECITALS AND CONCERTS

Semi-private student recitals take place frequently throughout the year, and students are expected to attend. A public recital is given by the more advanced students near the end of each semester. All students are under obligations to perform at recitals when so directed by their instructor. Students are not allowed to perform in public without the knowledge and consent of the instructor.

Besides the festivals of the Choral Society and various other concerts, a number of faculty recitals are given during the year, and several artist recitals, most of which are free to Conservatory students. Each year an historical series of recitals is given, presenting informally the music of individual composers or periods.

#### MUSICAL ORGANIZATIONS

(a) *The Engwerson Choral Society.* Mr. Eschman, Director. Membership is open to all who can read music sufficiently well.

The dues are fifty cents a semester. Two principal concerts are given each year, with notable artists assisting. According to the present custom, Handel's "Messiah" is sung each year at Christmas, while Gounod's "Faust," Rossini's "Stabat Mater," Mendelssohn's "Hymn of Praise," "Elijah" and "St. Paul," Brahms' "Song of Fate," Bruch's "Fair Ellen," Ware's "Sir Oluf," Debussy's "Blessed Damsel," Haydn's "Creation," Coleridge-Taylor's "Hiawatha," Verdi's "Aida," and Wagner's "Lohengrin" are other works recently given. Rehearsals are held on Monday evenings throughout the college year.

(b) *The Denison Orchestra*. Mr. Eschman, Director. Membership is not limited to students in the University, but offers to anyone of sufficient ability the opportunity of playing classical and modern compositions under suitable direction. The Orchestra assists the Choral Society in presenting some of its oratorios, besides giving at least one concert independently in the spring. Regular rehearsals are held on Thursday evenings throughout the college year. Membership is free to those admitted.

(c) *The Denison Glee Club*. This is an organization of twenty young men chosen by annual competitive examination from the men of the University community. About twenty concerts are given each year, engagements being filled in Ohio, Pennsylvania, New York, Michigan, Indiana and Illinois. The programs consist of classical numbers, popular glees, and college songs.

(d) *The Shepardson Glee Club*. This club consists of twenty four girls, and with the exception of the officers is reorganized each fall by competitive examination. An annual concert is given in May. The club comprises the best voices of Shepardson College and Denison Conservatory.

#### SCHOLARSHIP

An annual scholarship, the gift of Mrs. E. S. Shepardson, is at the disposal of the Conservatory Faculty.

In addition, \$250.00 a year is received by the Conservatory from a friend of the department for the purpose of assisting worthy students.

## CONSERVATORY BULLETIN

An annual Bulletin is published containing additional information regarding the Conservatory. A copy may be obtained by addressing Denison University, Conservatory of Music, Granville, Ohio.

## EXPENSES IN CONSERVATORY

## TUITION PER SEMESTER

In Pianoforte, Voice, Organ, Violin, or Violincello	
Two private lessons per week.....	\$50.00
One private lesson per week.....	22.00
In Advanced Harmony, Counterpoint, or History of Music	
Class lessons, three hours per week.....	12.00
In Form, Canon and Fugue, Composition. Public School	
Music. Class lessons, two hours per week.....	8.00
In Elementary Harmony, Terminology, Application, and	
Physical Basis of Music, Class lessons, two hours per	
week .....	8.00
Students paying regular college tuition may elect the last	
four courses without extra charge.	
In Solfeggio, or Normal Training	
Class lessons, two hours per week.....	8.00
Rent of piano for practice, per semester hour (i.e. one	
hour a week for a semester).....	1.00
Rent of pipe organ for practice per hour.....	.15
Students taking Conservatory work totaling \$50.00 may elect	
college work, in addition, at the rate of \$3 per semester hour.	

Rebate. Students dropping music before the middle of the semester must make arrangement for the rebate with the Director of the Conservatory.

## DEPARTMENTS OF INSTRUCTION

## THEORY AND HISTORY

PROFESSOR ESCHMAN

MISS LOUGH

College credit may be obtained for any of the numbered courses. Those who intend to complete the theoretical course are ad-

vised to take courses 3-4, 7-8, 9-10, and 13-14 in consecutive years.

1. The Appreciation of Music. A non-technical course, open to all students of the University. The object is to point out the structural principles of musical art and to show what constitutes real merit in any field of musical activity. The work embraces lectures and analysis, collateral reading and critical reports of current recitals. VII, 2 hours.

1a. Terminology. Primarily for Conservatory students. Technical information required as a prerequisite for advanced study in theory. Together with Music 3-4, Music 1a and 2 constitute regular Freshman work for students planning to graduate from the Conservatory.

2. The Physical Basis of Music.

The fundamental laws of acoustics, governing the production and character of musical tones, are demonstrated by apparatus from the Physics department of the University. This course includes instrumentation and conducting. VII, 2 hours.

3-4. Elementary Harmony. This course or its equivalent is prerequisite to all higher courses. It embraces a summary of music, a detailed study of the modern system of musical notation, the analysis of rhythm, practice on scale writing, transposition and the use of all the clefs. The work concludes with a study of elementary harmony including triad connection. IV, 2 hours.

5. History of Music to the Eighteenth Century. The work consists largely of assigned reading, with written reports, tests and theses. A collection of primitive instruments serves to illustrate the early stages of music, and typical music of the successive periods is rendered in class so far as possible. VI, 3 hours.

6. History of Music from the Eighteenth Century to the present time. Continuation of Course 5. VI, 3 hours.

7-8. Advanced Harmony. Review of intervals and triads; dominant and secondary chords; suspensions; augmented and altered chords; modulations; organ-point; the harmonization of

given melodies in bass or soprano, mostly in four parts, and the composition of simple original pieces. Solfeggio and elementary theory are prerequisite, with knowledge of the pianoforte sufficient at least to play an ordinary hymn-tune at sight. IV, 3 hours.

9-10. Counterpoint. The principles of harmony applied to the melodious treatment of two or more voice parts in combination. Free harmonization of choral melodies; two, three, and four part counterpoint in the several orders; contrapuntal and imitative treatment of subjects in different voices for organ or strings. Courses 7-8 are prerequisite and some proficiency in piano playing is required. III, 3 hours.

11-12. Musical Form. Study of thematic construction and elements of composition, through analyses of the principal instrumental forms, as illustrated in the works of classic and modern composers. Practice is given in construction of the smaller musical forms, such as hymn-tunes, and the dance forms of the classic suite. Courses 7-8 must ordinarily precede this work, but by special permission may be taken in the same year. III, 2 hours.

13-14. Strict Composition. Analysis and composition of canon and fugue and the advanced forms of polyphonic music. This is a necessary preparation for the larger and freer forms of composition. Courses 7-10 are prerequisite, with some proficiency in pianoforte or organ playing. VI, 2 hours.

15-16. Free composition. First semester, original vocal settings of selected texts; analysis of standard choral works and songs; composition of short pieces for men's or women's voices and for mixed chorus unaccompanied. Later, types of accompaniment figures are studied and settings made with piano or other accompaniment. Second semester, analysis and composition of vocal and instrumental music in the larger forms, with writing for orchestral instruments; practice in forms, with writing for orchestral instruments; practice in reading from vocal and orchestral sources. Prerequisite courses 9-14. I, 2 hours.

17-18. Public School Music Methods. This course covers in detail the work of the various grades and all methods now in



use in the schools. Related problems in the psychology of teaching are discussed. I, 2 hours.

19-20. Practice Teaching Music. (Same as Education, 7-8) Total 3 hours credit, for the year. May be taken in either semester or divided in both credit and fee. Total fee \$12.00.

21-22. Choral and Ensemble Training. Three hours are required for one hour college credit. The course can be repeated in successive years but not more than four hours may be applied toward any degree. One hour a week is required in either the chorus or orchestra. The remaining two hours may be elected in chorus, orchestra, chapel choir, or church choirs.

#### PIANO

MISS FARRAR

MR. DOWNING

No set course is specified, but the work is adapted to the individual pupil, and the teaching preserves the cultural point of view as much as the professional. Foundations are thoroughly laid in a study of the instrument itself and of the natural laws of tone production. Technical facility and velocity looking toward an adequate technique are considered merely the basis of artistic interpretation. The principles of expression are taught by means of the music of both classic and romantic composers.

#### VOICE

MRS. FITCH

MR. VEITH

The object of this instruction is the correct placing of the voice, so that the tones are even and firm throughout the entire range. Stress is laid on the control of the breath, rhythm, and phrasing, together with enunciation and stage presence. Use is made of the classic song literature of all schools, especially the German, and of our own American song writers.

## ORGAN

MR. DOWNING

A certain facility at the piano and in sight-reading is necessary and this must be proved to the satisfaction of the instructor, who may prescribe such additional work as may seem advisable in preparation. A good organ touch, comprising legato and staccato playing, steadiness and smoothness of style, are the objective aims.

Rink's Organ School, Buck's Studies in Phrasing and Bach's Little Preludes and Fugues compose the ground work of study. This is followed by sonatas by Mendelssohn, Merkle, Guilmant, selections by Widor, Dubois, Boellman, Lemare, Best, Hollins, Buck and Parker. Special attention is given to hymn playing, accompanying and registration to meet the practical needs of church work.

## VIOLIN AND VIOLINCELLO

MISS SMITH

MR. WELLS

Good tone production and clear intonation receive a large share of attention, followed by studies and special exercises to meet the needs of the individual. As the student becomes more proficient, pieces, sonatas, and concertos by classic and modern masters will be studied. It is the purpose to work not only for technical proficiency, but also for the higher and broader plane of artistic conception and interpretation. At least two semesters of piano study are required of candidates for graduation. Students are encouraged in ensemble playing, and those sufficiently advanced are admitted to the University Orchestra. The experience thus gained is not the least valuable part of the training, and is required of candidates for graduation.

## ENSEMBLE CLASSES

- (a) Solfeggio I-II. Two hours per week, First Year.
- Solfeggio III-IV. Two hours per week, Second Year.
- Solfeggio V-VI. One hour per week, Third Year.

This work, or a satisfactory equivalent is required of all candidates for graduation in any department of the Conservatory.

The course is provided to meet the needs of all who are in any degree deficient in the fundamental principles of music, such as rhythm, intervals, and scales, or who are unable to read vocal or instrumental music readily at sight. It includes both ear-training and sight-singing.

(1b) Normal Class—Miss Farrar. This course is offered at the request of piano students, and is designed as preparation for the teaching of piano. One semester of Theory or Solfeggio is required for entrance.

(1-c) Piano Classes—Miss Allington. Ensemble classes are maintained in piano, both duet and quartette work being done. The classes are free to all registered in the Conservatory, and this work is required of all pupils sufficiently advanced.

(1-d) String Classes.—Miss Smith. As far as material offers practice is held in trio and quartette work, with performances in public on suitable occasions. Advanced pupils are coached in ensemble with piano.

## THE SOCIETY OF THE ALUMNI

*President*

SAMUEL B. BRIERLY, '75  
106 North LaSalle St., Chicago, Ill.

## THE ALUMNI COUNCIL

*Officers*

W. H. JOHNSON, '85, Chairman  
KIRTLEY F. MATHER, '09, Secretary  
W. H. JOHNSON, '85, Treasurer

*Members*

Terms Expire June, 1924

SAMUEL B. BRIERLY, '75, Chicago, Ill.  
W. H. JOHNSON, '85, Columbus  
JUSTIN W. NIXON, '05, Rochester, N. Y.

Terms Expire June, 1925

MARY McKIBBEN COLBY, '07, Mansfield  
FRANCIS W. SHEPARDSON, '82, Chicago  
FREDERICK G. DETWEILER, '17, Granville

Terms Expire June, 1926

LORENA WOODROW BURKE, '06, Pittsburgh  
KIRTLEY F. MATHER, '09, Granville  
DOROTHY McCANN WILLIAMS, '15, Granville

Graduates of the University are members of the Society of the Alumni. Former students of the Granville institutions who are not graduates, recipients of honorary degrees, members of the Board of Trustees, and members of the Faculty who have been such for at least three years, are received into membership upon payment of the annual dues of \$2.00. This society was founded June 28, 1859, William P. Kerr, '45, being the first President. The purpose of the Society is to bind the alumni together in friendship with one another and in loyalty to *Alma Mater*. Nearly 3000 members are enrolled. Annual meetings are held

in commencement week. The Council was organized in 1921, and holds quarterly meetings. The Society maintains the Denison Alumni Bulletin, published monthly at Granville, Ohio, during the college year under the editorship of the President of the Society.

Denison clubs have been organized in many of the chief cities of the United States and in foreign lands, as auxiliaries of the Society. These clubs have been established in the following localities—New York City, Washington, Rochester, Buffalo, Cleveland, Toledo, Detroit, Dayton, Springfield, Cincinnati, Columbus, Indianapolis, Chicago, Minnesota, Missouri Valley, Colorado, San Francisco, Southern California, Japan and West China.

#### DOANE ACADEMY

Since its foundation, Denison has had a preparatory department. In 1895 it was given a separate organization and named in honor of the late Dr. William Howard Doane, who gave the splendid Academy Building. The Academy is now one of the strongest secondary schools in the Middle West and prepares not only for Denison but also for any American college or university.

While students of the Academy enjoy all the general advantages of connection with the larger institution, the school has its own endowment, its separate faculty, its own literary societies, athletics, school spirit, and social life.

The Academy is of peculiar advantage to those college students that are deficient in their entrance credits. Sometimes at a saving of considerable time in the combined college and preparatory courses, these deficiencies are made up in connection with the regular college work.

The Academy is a specially congenial place for those young men and women whose education is for any reason belated. They find here an atmosphere and social situation free from the embarrassment that might be experienced in the home schools. The Academy also meets admirably the requirements of those parents who desire better advantages than the local schools afford.

A copy of the catalogue and full information will be gladly sent upon application. Address H. R. HUNDLEY, Granville, Ohio.

## Degrees Conferred in 1923

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### HONORARY DEGREES

Frederick E. Taylor, Doctor of Divinity  
Herbert F. Stilwell, Doctor of Laws  
C. Wallace Petty, Doctor of Divinity

### MASTER OF ARTS

Helen Kendrick Hunt, (Honorary)

### MASTER OF SCIENCE

Herschel Bernard Lemon  
Delbert Randall Pratt  
August Fabel Jones  
Edson Coldren Rupp

### BACHELOR OF ARTS

Roger A. Crane	Florence Dwinell Daniels
John Halko	Delta Deitz
Herbert Condit Hall	Frances Christina Innes
Howard B. Jefferson	Carolyn Elizabeth Largent
David Lee Johnson	Margaret Linehan
Hugh Dale Pickett	Grace Evelyn McCrillis
Gordon Bates Ringgold	Mary Hannah Packer
Willis Hegler Willis	Vera Marie Rice
Edith Lucille Campbell	Mary Esther Stark

### BACHELOR OF PHILOSOPHY

Richard Bevan Austin	Lorraine Caul
Donald Merritt Bernhisel	Sara Crist
John Truman Ducro	Frances G. Crozier
Theodore Parker Gnagey	Margaret Catherine Edmondson
Albert Theodore Helbing	E. Geneva Ellison
Edward William Jones	Marian Crow Hanna
Stephen Hopkins Lapp	Daisy Doris Harrison
Chester Hammond Loucks	Esther Josephine Jillson
Paul Revere Lyne	Gladys Evangeline Jones
Harold Kenneth Masteller	Tsuruyo Komoriya
Charles Mears	Edith May Kurtz
Charles E. Olney	Lillian Lindrooth
Tsutori Obana	Catherine Marie McClure
Downing Eubank Proctor	Mildred Alfretta Mayer
William Hosler Rhoades	Althea Virginia Miller
Charles Carter Roadarmel	Margaret Wilson Oesper

William Hyatt Stuart  
 John Scott Wilson  
 Elizabeth Lenora Allen  
 Elizabeth Barbour  
 Helen Lucile Barnes  
 Margaret Miles Burt  
 Ruth Maywill Campbell

Minerva Elizabeth Olney  
 Mabel Lucile Patterson  
 Bernice Alice Perry  
 Eva Jane Price  
 Dema Luella Wheaton  
 Katherine Louise Whitnum  
 Dorothy Whittington

## BACHELOR OF SCIENCE

Herbert Newton Bawden  
 Carrol Ledlie Benoy  
 Marshall Merrill Best  
 Herbert Leland Bowman  
 Richard Bonsall Calvert  
 David Abbot Chambers  
 Burton Harland Chandler  
 Ralph Clark  
 John Dudley Dawson  
 Darleigh Edgell Dean  
 Charles W. Deeds  
 Dale Clinton DeGross  
 Fred C. Halteman  
 William Edgar Jenkins  
 Claude Perry Jones  
 Lewis Stanley Jordan  
 Clyde Edgar Keeler  
 Frank Gilbert Keenen  
 Spofford Harris Kimball  
 Lewis Don Leet  
 Miles Wallingford Levering  
 John Lewis Maurer  
 Karl Seneca Morrow  
 Ernest Tuttle Owen  
 William George Peoples  
 Thomas Howard Peterson

Fred Simons Poorman  
 Wentworth McKee Potter  
 Lewis Whisler Prine  
 Kenneth R. Robinson  
 Albert Nelson Sayre  
 Russell M. Smith  
 Edward Manning Steadman  
 Ralph Waldo Weaver  
 Halford E. Whitacre  
 Richard R. Willis  
 Frank Leland Windle  
 Dorothy Helen Dickinson  
 Nelle Adelia Erway  
 Margaret Belle Forsythe  
 Maude E. Gill  
 Ruth Gladys Hendricks  
 Lillis Albertine Howard  
 Dorothy Joy Kinney  
 Irlene Rosetta Kissling  
 Marion Caroline McQuate  
 Thelma Lucille Marshall  
 Norma Ethel Meyer  
 Alice Randall  
 Helen B. Robinson  
 Marguerite Tribolet

COMMISSIONS IN THE OFFICERS RESERVE CORPS  
UNITED STATES ARMY

## SECOND LIEUTENANTS OF INFANTRY

Richard Bonsall Calvert  
 Clyde Edgar Keeler  
 Spofford Harris Kimball  
 Ernest Tuttle Owen  
 Fred Simons Poorman

Gordon Bates Ringgold  
 Charles Carter Roadarmel  
 Albert Nelson Sayre  
 Edward Manning Steadman  
 Frank Leland Windle

## DIPLOMAS IN CONSERVATORY

William Hosler Rhoades, Piano	Minerva Olney, Organ
Frances Crozier, Piano	Helen Louise Oesper, Voice
Dorothy Helen Dickinson, Organ	Ruth Eloise Sanford, Voice

## CERTIFICATES IN PUBLIC SCHOOL MUSIC

Geraldine Crow	Ruth Eloise Sanford
Dorothy Helen Dickinson	William Hosler Rhoades
Mary Katherine Howe	William Hyatt Stuart

## Honors and Prizes Awarded in 1923

## ELECTION TO MEMBERSHIP IN PHI BETA KAPPA

Roger A. Crane, '23	Lorraine Caul, '23
Howard B. Jefferson, '23	Sara Crist, '23
Clyde Edgar Keeler, '23	Ruth G. Hendricks, '23
Ernest C. Brelsford, '24	Mary T. Alspach, '24
Miles S. Masters, '24	Elfreda Jessel, '24
	Martha Wooden, '24

## THE GILPATRICK SCHOLARSHIP FOR EXCELLENCE IN MATHEMATICS

Burton Harland Chandler

## THE HARMON FRESHMAN LATIN PRIZE

First, Lucy F. Wiatt	Second, Gerald Stanley Wellman
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## SPECIAL HONORS

Ruth G. Hendricks, Mathematics	Albert Nelson Sayre, Geology
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## DEPARTMENTAL HONORS

Ernest Tuttle Owen, Military Science
Sara Crist, English
Ruth G. Hendricks, Mathematics

## GENERAL HONORS

Sara Crist	Maude Gill
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## ANNUAL HONORS

James Henry Earps, '26	Ruth Sunderland, '25
Robert Englehart, '26	Ernest Carhartt Brelsford, '24
Homer A. Hood, '26	Miles S. Masters, '24
James Lincoln Knapp, '26	William G. Mather, Jr., '24
Herbert Ogden Waters, '26	J. Ellis Powell, '24



Gerald Stanley Wellman, '26  
Naomi Alspach, '26  
Martha Margaret O'Neil, '26  
Doris Simpson, '26  
Florence A. Smalley, '26  
Lucy F. Wiatt, '26  
Albert Russell Griffith, '25  
William Thomas Hundley, '25  
Robert K. McConnaughey, '25  
Ernest Stockum, '25  
Thelma Bachelder, '25  
Margaret Chamberlain, '25  
Alma Chambers, '25  
Helen Proctor, '25  
Marion Rowe, '25  
Gladys Smith, '25

Milton Schiller, '24  
Thomas Owen Treharne, '24  
Mary Thelma Alspach, '24  
Dorothy Breeze, '24  
Ruth Hendricks, '24  
Elfreda Jessel, '24  
June Phypers, '24  
Mary O. Stephens, '24  
Melvina Summers, '24  
Katherine Williams, '24  
Anna Withers, '24  
David Abbot Chambers, '23  
John Dudley Dawson, '23  
Albert T. Helbing, '23  
Clyde Edgar Keeler, '23  
Dorothy Whittington, '23

## GOLD MEDAL FOR EXCELLENCE IN DEBATE

Spofford H. Kimball

## THE SAMSON TALBOT PRIZES IN BIBLE READING

First, Gladys E. Jones

Second, Alice Randall

## THE LEWIS CONTEST PRIZES

First, Wallace B. Heiser

Second, William G. Mather, Jr.

Third, Spofford H. Kimball

## THE FRESHMAN CHEMISTRY PRIZE

Carlos Delbert Rian

# Students in Granville and Shepardson Colleges

(The enrollment for the First Semester only of 1923-1924)

## GRADUATE STUDENTS

### CANDIDATES FOR MASTER'S DEGREE

Fitch, Donald, Science.....Granville

### UNCLASSIFIED

Biefeld, Carl H.....Granville

Kimball, Spofford.....Granville

Olney, Clark.....Granville

Sellers, Laura K.....Granville

### SENIOR CLASS

Amos, Hugh, Sc.....Cambridge

Baldwin, Lawrence, Ph.....Mt. Vernon

Bawden, Herrick T., Sc.....Granville

Becker, Sam, Sc.....Dayton

Berry, William, Ph.....Hammond, Ind.

Boyer, Philips, Ph.....Library, Pa.

Boyd, John W., Sc.....Newark

Branstetter, Ermel E., Ph.....Kokomo, Ind.

Bratt, Floyd C., Sc.....Clarence Center, N. Y.

Brelsford, Ernest, Sc.....East Cleveland

Calhoun, Eric V., Sc.....East Liverpool

Castle, William, Sc.....Alexandria

Chamberlain, John, Ph.....Granville

Costilow, Okey, Ph.....Clarksburg, W. Va.

Fawcett, Keith, Sc.....Vesta, Minn.

Fitch, James, Sc.....Chicago, Ill.

Foot, Harry, Ph.....Coshocton

Garrison, Robt., Ph.....Newark

Hazlett, Paul, Cl.....Newark

Henderson, Robert, Sc.....Norwalk

Holt, Henry K., Sc.....West Somerville, Mass.

Hopkins, Robert, Sc.....Granville

Hundley, Bernard, Sc.....Granville

Jones, Alfred K., Sc.....Granville

Jones, Thomas F., Sc.....Newark

King, Daniel P., Sc.....Mountain View, Okla.

Kreager, Donald, Sc.....Alexandria

Lane, Donald W., Ph.....	Springfield
Lu, Ping Teng, Ph.....	Sui Fu, Szechewan, China
McLain, William, Sc.....	Granville
Masters, Miles, Cl.....	Granville
Mather, William G., Sc.....	Granville
Matsuhashi, Motohiko, Ph.....	Shiba, Tokyo, Japan
Miller, J. Hobart, Sc.....	Detroit, Mich.
Moseley, John R., Sc.....	Ostrander
Petty, Julian J., Sc.....	Walworth, N. Y.
Pimm, Walter B., Sc.....	Philippi, W. Va.
Powell, J. Ellis, Sc.....	Mt. Gilead
Pritchard, William D., Sc.....	New Castle, Pa.
Quinn, Alonzo W., Sc.....	Longmont, Colo.
Schieber, Howard, Sc.....	Bucyrus
Schiller, Milton G., Sc.....	Sandusky
Scott, Franklin, Ph.....	Newark
Selby, Robert A., Cl.....	Martins Ferry
Smith, Ruland, Sc.....	Newark
Steadman, Livingston, Sc.....	Granville
Swartsel, Richard, Ph.....	Dayton
Taylor, Frank S., Sc.....	Newark
Thiele, Howard N., Sc.....	Dayton
Treharne, Thomas O., Sc.....	Dayton
Van Ness, Leonard K., Ph.....	Hubbard
Weaver, Donald, Ph.....	Mt. Healthy
Williamson, Clifford R., Sc.....	Dayton
Wintermute, Henry O., Ph.....	Mt. Vernon

Albiez, Jeanette, Ph.....	Cincinnati
Allington, Mildred, Ph.....	Northport, Mich.
Alspach, Mary Thelma, Cl.....	Newark
Bovington, Marguerite, Ph.....	Cleveland Heights
Breeze, Dorothy, Cl.....	Granville
Brown, Ruth O., Ph.....	Granville
Browne, Ruth L., Ph.....	Haskins
Carey, Esther Jane, Ph.....	Boston, N. Y.
Chamberlin, Frances, Sc.....	Granville
Darrow, Louise, Cl.....	Granville
Davis, Rose Lillian, Sc.....	Hammond, Ind.
Dodd, Marie, Sc.....	Newark
Fellman, Eunice, Ph.....	Milwaukee, Wis.
Gibbs, Thelma, Ph.....	Canton
Goodrich, Ireta, Sc.....	Oberlin

Hawkins, Margaret, Sc.	Canton
Hovey, Ruth, Sc.	Upper Mount Clair, N. J.
Hughes, Irene, Cl.	Newark
Jenkins, Mildred, Ph.	Willard
Jessel, Elfreda, Ph.	Buffalo, N. Y.
Kinney, Marian, Sc.	Denver, Colo.
Koeker, Louise, Sc.	Dayton
Larsen, Charlotte, Ph.	Dayton
Lusk, Lois, Sc.	Granville
McConnell, Sara, Ph.	Newark
Myers, Helen, Ph.	Erie, Pa.
Mullen, Margaret, Ph.	Huntington, W. Va.
Neel, Helen, Ph.	Granville
Nessley, Kathryn, Ph.	Columbus
Phypers, June, Cl.	South Euclid
Place, Edith, Ph.	Columbus
Rece, Anna Louise, Ph.	Huntington, W. Va.
Reed, Florence, Ph.	Kenton
Richards, Dorothy, Ph.	Granville
Rodgers, Anne, Cl.	Newark
Rosebraugh, Mary, Ph.	Newark
Summers, Melvina, Cl.	Marion
Sutherland, Marjory, Sc.	Boulder, Colo.
Tavener, Zona, Ph.	Newark
Taylor, Edna, Cl.	Croton-on-the-Hudson, N. Y.
Thomas, Laura Charlotte, Ph.	Chicago, Ill.
Toby, Leona, Sc.	Norwalk
Warner, Mabel, Ph.	Granville
Weisenbarger, Velma, Ph.	Greenville
Wellman, Fannie, Ph.	Granville
Williams, Katherine, Ph.	Hammond, Ind.
Wirebaugh, Marian, Ph.	Prairie Depot
Withers, Anne, Ph.	Parkersburg, W. Va.
Wooden, Martha, Ph.	Mansfield
Yeakel, Helen, Cl.	Chicago, Ill.

## JUNIOR CLASS

Abernethy, Theodore, Ph.	Washington, D. C.
Aguilar, Jose V., Ph.	Bacolod, P. Is.
Babbs, Charles F., Ph.	Newark
Bannister, Turpin, Cl.	Lima
Barker, Vernon J., Ph.	Granville
Benson, Carl A., Sc.	Toledo

Boggs, Horace, Sc.....	Granville
Branc, Teodor, Ph.....	Warren
Bridge, Edgar, Ph.....	Canton
Calvert, William C., Sc.....	Houma, La.
Canary, Sumner, Ph.....	Bowling Green
DeLong, Crawford J., Ph.....	Bedford
Gabele, Ralph, Sc.....	Norwalk
Glasgo, Eugene S., Sc.....	Loudenville
Hanson, Eugene H., Sc.....	Waterford
Heiser, Wallace B., Ph.....	Berlin Center
Holcomb, Stanley, Ph.....	Columbus
Holt, Kilburn K., Cl.....	West Somerville, Mass.
Hundley, Tom, Sc.....	Granville
Hunt, Cressey J., Sc.....	Conneaut
Johnson, Melvin W., Ph.....	Brockport, N. Y.
Jones, Evan W., Sc.....	Cincinnati
Kato, Chosaburo, Ph.....	Fukushima, Japan
King, George B., Ph.....	Detroit, Mich.
Klinck, Earl F., Sc.....	Toledo
Knapp, James L., Cl.....	Zanesville
Lowmiller, Henry, Sc.....	Bucyrus
McCann, Franklin, Cl.....	Dayton
Mapes, Bliss C., Ph.....	Lincoln, Neb.
Mayer, Charles D., Sc.....	Newark
Mead, Maurice A., Ph.....	Dayton
Michael, Lloyd S., Ph.....	Mt. Vernon
Miller, Edgar, Sc.....	Mt. Gilead
Miller, Stephen A., Sc.....	Toledo
Moore, Frederick R., Sc.....	South Charleston
Morgan, George D., Sc.....	New Castle, Pa.
Nessley, Carl T., Sc.....	Pickerington
Orr, Walter F., Ph.....	Jacksontown
Padelford, Norman J., Ph.....	Newton Center, Highlands, Mass.
Paden, Merle K., Sc.....	Grandview, Wash.
Pickett, Justus C., Sc.....	Moundsville, W. Va.
Pirsch, George L., Ph.....	Zanesville
Price, Hugh G., Sc.....	Chicago, Ill.
Pugh, Cloyce J., Cl.....	Plymouth
Rine, Russell R., Cl.....	Washington C. H.
Risley, Clarence T., Sc.....	Conneaut
Rogers, Thomas A., Ph.....	Wilmington
Schmitz, Edward A., Ph.....	Granville
Sebald, Edward L., Ph.....	Middletown
Shelly, Charles J., Sc.....	Thornville

Smith, Earl D., Sc.	Corning, N. Y.
Smith, Ernest B., Sc.	Corning, N. Y.
Smith, Harold, Cl.	Chillicothe
Snyder, Martz, Cl.	Dayton
Stevens, Franklin H., Sc.	Connellsville, Pa.
Stockum, Ernest R., Sc.	Dayton
Sutton, Russell, Ph.	Attica
Vickers, H. L., Sc.	Berlin Center
Wellman, Chester, Ph.	Granville
White, Marcellus J., Ph.	Weston, W. Va.
Wood, John, Cl.	Huntington, W. Va.

Albaugh, Mary Elizabeth, Cl.	Quincy
Alderton, Betty, Ph.	Newark
Ashley, Jerrine, Ph.	Chicago, Ill.
Baker, Dorothy, Ph.	Passaic, N. J.
Brooks, Margaret, Ph.	Granville
Broughton, Harriet, Ph.	River Forest, Ill.
Burr, Hester, Ph.	Summersville, W. Va.
Calhoun, Julia, Ph.	Fort Wayne, Ind.
Chamberlain, Margaret, Cl.	Granville
Chambers, Alma, Sc.	Shelbyville, Ind.
Chambers, Elizabeth, Ph.	Granville
Close, Lucille, Cl.	Hale, Mich.
Davis, Coral Lois, Cl.	Gallipolis
Dewey, Dorothy, Ph.	Newark
Dodge, Vera, Ph.	Mannington, W. Va.
Dunlap, Hazel, Sc.	Granville
Folger, Elizabeth, Ph.	Dayton
Galloway, Margaret, Sc.	Xenia
Gibbs, Helen, Ph.	Cleveland
Goodlive, Violet, Cl.	New Straitsville
Griffin, Margaret, Sc.	Munhall, Pa.
Hanby, Helen, Sc.	Newark
Hanna, Margaret, Ph.	Huntsville
Hawk, Thelma, Ph.	Dover
Hendricks, Margaret, Cl.	Dayton
Hohart, Dorothy, Ph.	Granville
Jamieson, Florence, Ph.	Moline, Ill.
Jones, Juanita, Cl.	Granville
Jordan, Marian, Ph.	Newark
Kimball, Ruth, Sc.	Dayton
Kramer, Louise, Sc.	Dayton

Lorenz, Ida, Sc.....	Fresno
Lose, Kathryn, Sc.....	Fort Wayne, Ind.
Lovett, Frances, Ph.....	Detroit, Mich.
McGilliard, Hazel, Ph.....	Dayton
McMillan, Kathryn, Ph.....	Newark
Marshall, Anna, Ph.....	Zanesville
Martin, Muriel, Ph.....	Granville
Maxwell, Josephine, Ph.....	Reynoldsburg
Miller, Frances, Ph.....	Wadsworth
Owens, Edna Mable, Cl.....	Newark
Prescott, Elizabeth, Ph.....	Cleveland
Proctor, Helen, Sc.....	Granville
Robion, June, Ph.....	Oak Park, Ill.
Rogers, Ruth, Ph.....	Newark
Rowe, Marian, Ph.....	Milford, Mich.
Smith, Dorothy, Ph.....	Hartford, W. Va.
Smith, Fenton, Sc.....	Granville
Smith, Florence, Ph.....	Cleveland
Smith, Gladys, Cl.....	Newark
Smith, Louise, Ph.....	Granville
Sunderland, Ruth, Cl.....	Omaha, Neb.
Talbot, Mary, Sc.....	Tiffin
Thompson, Miriam, Ph.....	Newark
Toby, Thelma, Cl.....	Norwalk
Tuttle, Lucille, Cl.....	Granville
Valentine, Barbara, Ph.....	Philippine Islands
White, Frances, Ph.....	Kansas City, Mo.
White, Mary Dodge, Cl.....	Plainfield, N. J.
Whittington, Ruth, Ph.....	Xenia
Wilkinson, Marian, Cl.....	Norwalk
Willis, Vivian, Cl.....	Wellston

SOPHOMORE CLASS

Akers, Edward S., Sc.....	Carthage, Mo.
Allen, Ralph B., Ph.....	Newark
Allen, Richard M., Sc.....	Troy
Amos, Henry D., Ph.....	Cambridge
Ashworth, Robert A., Sc.....	Middletown
Athey, Lawrence, Sc.....	Warren
Bash, Frederick, Sc.....	Utica
Becker, John W., Sc.....	Dayton
Bergold, Russell, Ph.....	East Cleveland
Bishop, Alvord L., Ph.....	Cleveland
Bone, Leslie, Sc.....	Ashport

Bonnell, Barhyt, Sc.	Elizabeth, N. J.
Bowen, William C., Sc.	Granville
Breeze, Kenneth, Cl.	Granville
Cadwell, Paul, Ph.	Niles
Case, Robert I., Sc.	Washington C. H.
Clutter, Earl, Ph.	Utica
Courtier, William, Sc.	Pataskala
Crawford, Ira, Ph.	Dayton
Crouch, Wentworth W., Ph.	Rochester, N. Y.
Curry, Robert K., Sc.	Bozeman, Mont.
Curtis, Arthur, Sc.	Granville
Davis, Richard, Ph.	South Bend, Ind.
Dawkins, Carl E., Ph.	Granville
Deeds, Dalton, Sc.	Lorain
Dickinson, Richard, Sc.	Wickliffe
Doty, Donald, Sc.	Middletown
Earp, James H., Ph.	Allison Park, Pa.
Edgar, John C., Sc.	Troy
Englehart, Robert, Ph.	Cleveland
Farber, Harold, Sc.	Stryker
Flower, Arthur, Ph.	Lansing, Mich.
Ford, Robert T., Sc.	Youngstown
Frasch, Robert, Sc.	Bremen
Freehafer, Chas., Ph.	Dayton
Frye, Frank, Sc.	Sunbury
Fundaberg, Chas., Sc.	Newark
Funk, Donald, Sc.	Chicago, Ill.
Gay, William, Sc.	Zanesville
Gibson, Chas., Ph.	Cleveland Heights
Gilbert, Norton, Ph.	Bowling Green
Griffith, Albert R., Sc.	Martins Ferry
Hannenkrat, Merle, Cl.	Bellefontaine
Haskins, Robt. F., Ph.	Lancaster
Hawkins, Charles T., Ph.	Berlin Center
Helser, Roe K., Sc.	Thornville
Henderson, Paul, Sc.	Norwalk
Hess, Ralph E., Sc.	Cincinnati
Hinckley, Stuart C., Ph.	Lakewood
Hineline, Clarence, Sc.	Port Clinton
Hla, David T., Sc.	Bassein, Burma
Imhoff, Geo. B., Sc.	Wooster
James, Harold A., Ph.	Youngstown
Johnson, Joseph B., Ph.	Summitville, Ind.
Jones, Marshall, Ph.	Farmington, Mich.



Jones, Wilbur, Sc.....	Lakewood
Jordan, Harold F., Ph.....	Granville
Keeler, Howard, Cl.....	Racine, Wis.
Kenney, Edward J., Sc.....	Granville
Kincaid, Dahlton R., Ph.....	Crooksville
Kintz, Francis P., Sc.....	Granville
Koelb, Howard E., Cl.....	Stonington, Conn.
Kundert, Edward C., Sc.....	Dayton
Leslie, Donald A., Ph.....	Granville
Linder, Albert L., Ph.....	St. Louis, Mo.
Loveless, Forrest, Sc.....	Granville
McCullough, John L., Ph.....	Cleveland
McGuffin, Kenneth W., Sc.....	Pettisville
McMichael, Harold G., Sc.....	Bucyrus
Martin, John C., Ph.....	Granville
Martin, Lloyd F., Ph.....	Mt. Vernon
Mayes, Leslie A., Sc.....	Granville
Millisor, James R., Sc.....	Newark
Minnis, Dean H., Sc.....	Sandusky
Minor, Donald, Sc.....	Carmichaels, Pa.
Mitchell, Charles C., Sc.....	Granville
Moore, William C., Sc.....	Lima
Morton, Hawley E., Ph.....	Newton Center, Mass.
Nethers, Raymond J., Sc.....	Frazesburg
Nickels, Robert W., Sc.....	New Philadelphia
Palmer, Herbert C., Ph.....	Lakewood
Payne, William G., Sc.....	Dayton
Ransom, John, Sc.....	Moline, Ill.
Rian, Carlos D., Sc.....	Newark
Rice, Herman B., Sc.....	Granville
Richardson, Lawrence F., Sc.....	East Cleveland
Roberts, Bruce, Ph.....	Norwalk
Routsong, Clair J., Sc.....	Dayton
Scheidler, Richard R., Sc.....	Newark
Schweikle, Elmer L., Sc.....	Chicago, Ill.
Sellers, Fred W., Ph.....	Wellston
Shoemaker, Harry R., Ph.....	Bainbridge
Silcott, Rollin C., Sc.....	Washington C. H.
Speicher, Joseph, Sc.....	Granville
Stark, James L., Sc.....	Granville
Steinberger, John J., Sc.....	St. Paris
Stevenson, Ralph T., Sc.....	Dayton
Stibitz, George R., Sc.....	Dayton
Stockdale, C. E., Ph.....	Sandusky

Swift, Robert G., Sc.	Avalon, Pa.
Thomas, John, Cl.	Cincinnati
Tilton, Louis J., Ph.	Dayton
Tippett, Robert, Sc.	Johnstown
Ubersax, Delmar G., Ph.	Cleveland
Vian, John C., Sc.	Mt. Vernon
Warren, Millard L., Sc.	Medina
Waters, Herbert O., Ph.	Granville
Weaver, John A., Ph.	Greeley, Colo.
Weis, Karl G., Ph.	Sandusky
Wellman, Gerald S., Ph.	Granville
Wright, Almon R., Ph.	Granville
Wyse, Lloyd E., Sc.	Fayette
Yang, I. Fu, Sc.	Chengtu, China

Abernethy, Alice, Ph.	Berwyn, Ill.
Alexander, Mildred, Ph.	Spring Valley
Alspach, Naomi, Cl.	Newark
Anderson, Mary, Ph.	Granville
Austin, Flora, Cl.	Painesville
Bateman, Mary Elizabeth, Ph.	Zanesville
Belt, Harriet, Ph.	Granville
Biefeld, Louise, Ph.	Granville
Boss, Helen, Cl.	Newark
Bruce, Elma, Ph.	Garrettsville
Buker, Helen, Ph.	Zanesville
Callihan, Margaret, Ph.	Cambridge
Canright, Marian, Ph.	Haskins
Capehart, Helen, Ph.	East Liverpool
Carson, Ella, Ph.	Uhrichsville
Codington, Lillian, Cl.	Newark
Criswell, Marian, Ph.	Clarendon, Va.
Curtis, Dorothy, Ph.	New Richmond
Dorey, Margaret, Cl.	Newark
Eisner, Lorraine, Ph.	River Forest, Ill.
Ewers, Thelma, Ph.	Granville
Farr, Esther, Ph.	Saxtons River, Vt.
Follin, Virginia, Cl.	Cleveland Heights
Foss, Helen, Ph.	Chicago, Ill.
Frederick, Margaret, Ph.	Wheeling, W. Va.
French, Helen, Ph.	Erie, Pa.
Fulmer, Dorothy Jane, Cl.	Oakdale, Pa.
Gregg, Ruth, Ph.	Chicago, Ill.

Haines, Helen, Ph.....	Troy
Halteman, Margaret, Ph.....	Dayton
Harper, Christine, Ph.....	Cincinnati
Holcomb, Martha Jane, Ph.....	Richmond, Ind.
Hollinger, Dorothy, Ph.....	Elmhurst, Ill.
Horwell, Mildred, Cl.....	East Liverpool
Hosick, Irene, Ph.....	Granville
Howard, Mary Margaret, Cl.....	Newark
Hulet, Edythe, Ph.....	Cleveland Heights
Hulshizer, Wilhelmina, Ph.....	Granville
Jackson, Courtney, Ph.....	Springfield
Jones, Grace, Ph.....	Springfield
Jordan, Anna Mae, Ph.....	Granville
Kirby, Winifred, Ph.....	Elkhart, Ind.
Knight, Iris, Ph.....	Charleston, W. Va.
Krebs, Frances, Ph.....	Newark
Luce, Ellenor, Ph.....	Bronxville, N. Y.
McCann, Alice, Cl.....	Dayton
McClure, Colinne, Ph.....	Toledo
McCreary, Pauline, Cl.....	Newark
McCutcheon, Evalena, Ph.....	Mt. Lookout, W. Va.
McGuffin, Marjorie, Ph.....	Pettisville
McMinn, Carlita, Sc.....	Carbondale, Ill.
Mann, June, Ph.....	Fredericktown
Machlin, Eleanor, Ph.....	Wilkesbarre, Pa.
Marple, Anna, Ph.....	Fredericktown
Moor, Dorothy, Cl.....	Lima
Moore, Doris Helen, Cl.....	Granville
Moore, Mary, Cl.....	Newark
Morin, Carola, Cl.....	Minneapolis, Minn.
Nicely, Rosaline, Cl.....	Dayton
Nichols, Dorothy, Ph.....	Chicago, Ill.
O'Neil, Margaret, Cl.....	Zanesville
Pease, Helen, Ph.....	Johnstown
Pierce, Marian, Ph.....	Akron
Reed, Eleanor, Cl.....	Springfield
Reed, Rachel, Cl.....	Springfield
Reed, Verna, Ph.....	Toledo
Riegel, Frances, Ph.....	Niles
Richardson, Laura, Ph.....	Cincinnati
Rickert, Esther, Ph.....	Newark
Rickett, Ruth, Ph.....	Outville
Robuck, Rosanna, Ph.....	West Union
Rohrer, Katherine, Ph.....	Granville

Sargent, Blanche, Ph.	Marietta
Simpson, Doris, Cl.	Howard
Smalley, Florence, Ph.	Clarion, Pa.
Smith, Anna Mae, Ph.	Pittsburgh, Pa.
Smith, Marguerite, Cl.	Newark
Smock, Dorothy, Ph.	Erie, Pa.
Spooner, Alberta, Ph.	Weston, Mich.
Stephenson, Esther, Ph.	Newark
Stock, Beatrice, Ph.	Shelby
Tapper, Thelma, Ph.	Dayton
Taylor, Violet, Cl.	Croton-on-the-Hudson, N. Y.
Thorne, Rose, Ph.	Baltimore, Md.
Thresher, Felicie, Ph.	Kansas City, Mo.
Wellman, Louise, Sc.	Granville
Wiatt, Lucy, Cl.	Chicago, Ill.
Wiant, Gertrude, Ph.	St. Paris
West, Wilma, Ph.	Cambridge
Wickes, Helen, Ph.	Cleveland
Wilkins, Mary Thelma, Ph.	Newark
Wilson, Lena, Ph.	Fredericktown
Wolf, Kathryn, Cl.	Dayton
Wright, Elizabeth, Ph.	Indianapolis, Ind.

## FRESHMAN CLASS

Air, Clement W.	Mt. Healthy
Albright, Clayton	Willard
Amrine, Carl	Zanesville
Armstrong, Lorin Evan	Cleveland
Ashbrook, Ross S.	Granville
Ashinger, Frederick	Columbus
Baker, Warren	Washington C. H.
Baldwin, Frank K.	Mt. Vernon
Bargar, H. H.	Columbus
Barndollar, Walker	Lorain
Batdorf, Richard	Urbana
Bateman, William	Zanesville
Beers, George	Salem
Bellish, Anthony	Cleveland
Bendix, Lester	Vesta, Minn.
Benson, Raymond	Troy
Blackmur, Robert W.	Cleveland
Block, Richard N.	Atlanta, Ga.
Brainard, Dwight A.	Dayton
Brana, Juan C.	Philippine Islands

Brink, Gilbert.....	Collingswood, N. J.
Broughton, Harold.....	Middletown
Brown, Russell E.....	Newark
Browning, Horace B.....	Bowling Green
Burdick, Harry G.....	Lansing, Mich.
Butcher, Thompson A.....	Canton
Carey, Clifford M.....	Dayton
Carlock, Henry Arthur.....	Alexandria
Carroll, Charles.....	Newark
Cary, Andrew W.....	Kileville
Case, George.....	Granville
Castle, Charles A.....	Cincinnati
Churdar, John.....	Warren
Clark, James V.....	St. Elmo, Tenn.
Cockrum, Wade D.....	Evansville, Ind.
Coe, Dale.....	Shelby
Cook, Chester H.....	Columbus
Courson, Harold.....	Barberton
Coyle, Charles.....	Hebron
Crowl, Gerald.....	Lorain
Danner, Donald.....	Middletown
Davey, Theodore.....	Rochester, N. Y.
Davis, Kenneth.....	Gallipolis
Davis, Samuel S.....	Cincinnati
DePuy, Henry.....	Lakewood
Dietz, John Q.....	Rupert, W. Va.
Dodge, Alfred.....	Mannington, W. Va.
Douglas, Maxwell.....	Frazeyburg
Doutt, Walter.....	Bowling Green
Ducro, Fred.....	Ashtabula
Dumm, Frank.....	Granville
Edmunds, Edwin.....	New London, N. H.
Edwards, Thomas.....	Birmingham, Mich.
Elliot, George B.....	Akron
Ellison, Robert.....	West Union
Evans, Lewis.....	Hebron
Ewart, Wesley.....	Milwaukee, Wis.
Feight, Howard.....	Dayton
Fielding, Howard.....	Youngstown
Fishbaugh, Marion.....	Springfield
Fisher, Maxwell.....	Clearville, Pa.
France, DeWayne.....	Midvale
Frew, Russell.....	New Philadelphia
Fulmer, Robert R.....	Oakdale, Pa.

Gallooly, Lester	Zanesville
Garrison, George	Wilbording
Gay, Fred	Zanesville
Gaylor, Chas.	Tippecanoe
Glasgo, Forrest L.	Loudenville
Glasgo, Victor L.	Loudenville
Goodrich, Ivor	Dover
Graves, Howard	Elgin, Ill.
Gray, Needmore	Detroit, Mich.
Griffith, John G.	Newark
Gross, Paul B.	Bellevue
Guthery, William	La Rue
Haas, Florian	Dayton
Hampshire, Arthur M.	Newark
Handel, George A.	Newark
Handel, Paul W.	Newark
Hanhart, Eugene H.	New Philadelphia
Hardesty, Harry	Zanesville
Heckman, Alfred	Tippecanoe
Hendricks, Thomas	Cleveland Heights
Herron, Abbott	Mt. Vernon
Heskett, John M.	Bethesda
Hicks, B. M.	Columbus
Howe, Lawrence C.	Birmingham, Mich.
Howe, Milton L.	Poland, N. Y.
Hoy, Samuel	Canton, China
Huffman, Walter L.	Stryker
Hunt, Lester	Utica
Hunter, Robert	Cleveland
Hutchins, Karl	Maxburg
Ingram, Edwin	Niles
Innes, John	Chicago, Ill.
Jeffs, Elmer W.	Rochester, N. Y.
Jenkins, Clyde W.	Cambridge
Kadon, Clifford	Cincinnati
Keller, Robert J.	Alexandria
Kernahan, Wm. C.	Crafton, Pa.
Kerr, Raymond L.	Youngstown
King, Harold C.	Zanesville
Kreager, Paul	Zanesville
Laird, Ralph E.	Waverly, Iowa
Lane, Croyle A.	Youngstown
Laws, Robert	Bethesda
Levering, Lee	St. Marys

Lewis, Gomer A.	Newark
Lindow, John R.	Toledo
Lynn, Herbert B.	Newark
McClanahan, James	West Union
Martin, Kenneth J.	Mt. Vernon
Mason, Earl	Cincinnati
Meade, Charles B.	Cincinnati
Meeks, Jack	Canton
Miller, Arold S.	Union City, Pa.
Miller, Henry	Cincinnati
Millick, Joseph	Johnstown
Moore, Burress	Monongahela City, Pa.
Moore, John W. D.	New Straitsville
Moore, Robert H.	Zanesville
Murphy, Robert T.	Zanesville
Nagel, Floyd	St. Marys
Nicholson, James	Sandusky
Nicola, Kenneth	Cleveland
Owens, Herbert	Granville
Pascoe, Milton C.	Sandusky
Pearson, Ralph	Tippecanoe
Pence, Gerald	Hillsboro
Perkins, Alden W.	Youngstown
Phillips, Robert	Columbus
Pickering, William C.	Lancaster
Pierson, Glenard L.	Newark
Pierson, Russell	Granville
Pillai, N. P.	Calcutta, India
Powell, Leland T.	Mt. Gilead
Price, Robert	Alexandria
Price, Thomas	Newark
Pugh, Frank	Cincinnati
Quinn, Edward J.	Newark
Rettig, Ralph L.	Middletown
Rex, Paul E.	Youngstown
Reynolds, Frank L., Jr.	Clarksburg, W. Va.
Rhodes, Estele	St. Marys
Rice, Doyle	Granville
Robe, Glenn E.	West Union
Rogers, Wilbur G.	Fort Collins, Colo.
Ross, Thomas F.	Johnstown
Ruckman, Kenneth	LaRue
Santucci, Cesare	East Rochester, N. Y.
Schmitz, Gilbert	Granville

Shanley, Emmet M.	New Philadelphia
Sheehan, James	Cambridge
Sheldon, Frederick	Buffalo, N. Y.
Silbernagel, Wynne	Columbus
Smith, C. R.	Athens
Smith, Robertson F.	East Cleveland
Speckman, James	Coshocton
Sprau, Walter	Sandusky
St. John, A. Frederick W. Jr.	Columbus
Stark, Stephen W.	Cambridge
Stephenson, Monroe B.	Bellevue
Stratton, Leslie	Carrollton
Stull, John P.	Granville
Tallmadge, Trafford	Clayton, Mo.
Thomas, Elmer L.	New Castle, Pa.
Thomforde, Ernest S.	Beacon, N. Y.
Thorson, Delos	Bozeman, Mont.
Thunn, Charles A.	Middletown
Treharne, Samuel R.	Martins Ferry
Trescott, Dale	Norwalk
Tuttle, Fred B.	Cincinnati
Tyson, Dean	Granville
Tyson, Samuel	Adamsville
Urban, Stephen	Cincinnati
Varney, Kenneth A.	Dayton
Wagenhals, Edward R.	Newark
Warren, Charles, Jr.	Medina
Webb, Edward J.	Defiance
Webster, Richard F.	Dayton
Weisenbarger, Harold C.	Greenville
Whitcomb, Charles	Toledo
Whiteleather, John E.	New Philadelphia
Whittington, Loren M.	Xenia
Williams, Glynn	New Castle, Pa.
Wilson, John L.	Greenville
Wilson, Robert	Dayton
Wolfe, Norman, Jr.	Mansfield
Woods, Robert J.	Harrisville, W. Va.
Yoakam, Carmi J.	Utica
Yoakam, Harlan H.	Utica
Yoke, Jack Porter	Columbus

Adamson, Wadena	Granville
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Adsit, Wilma.....	Owatonna, Minn.
Anderson, Marian.....	Toledo
Andrews, Dorothy.....	Newark
Baker, Ruth.....	Passaic, N. J.
Band, Gertrude.....	Providence, R. I.
Baughn, Millicent.....	South Charleston
Bawden, Dorothea.....	Granville
Baxter, Marguerite.....	Radnor
Bell, Wilhelmina.....	Hyland Park, Ill.
Bennett, Ettabel.....	Santa Barbara, Calif.
Blade, Dorothy.....	Granville
Boyden, Floribel.....	Northfield
Bradford, Kerma.....	Coshocton
Briggs, Helen.....	St. Paul, Minn.
Brouillet, Vivienne.....	Oak Park, Ill.
Brouse, Jean Louise.....	Wellington
Brown, Dorothy.....	Toledo
Brown, Helen.....	Martins Ferry
Buehrer, Gladys.....	Archibold
Bumer, Grace.....	Girard
Burger, Katherine.....	Warrensville
Burrell, Helen.....	Newark
Burrell, Lucille.....	East Cleveland
Carpenter, Jenness.....	Granville
Chamberlain, La Dema.....	Marion
Clayton, Martha.....	Alexandria
Cleveland, Grace.....	Granville
Clifford, Dorothy.....	Ashtabula
Clifton, Ena.....	Coshocton
Colville, Jean.....	Dayton
Cook, Alice.....	Granville
Coons, Lois.....	Newark
Cope, Mae Ellen.....	Columbus
Cowden, Olita.....	Cambridge
Cox, Virginia.....	Proctorville
Crampton, Alta.....	Dayton
Daiber, Jane.....	Toledo
Daniels, Minnie.....	Parsons, W. Va.
Darrow, Dorothy.....	Granville
Davis, Helen.....	Newark
Davis, Roberta.....	Hebron
Deming, Mary Frances.....	Granville
Detweiler, Dorothy.....	Tarrytown, N. Y.
Dildine, Martha.....	Lima

Dush, Mary	Newark
Ebaugh, Marian	Granville
Ewart, Beatrice	Hamilton, N. Y.
Ewers, Esther	Granville
Fox, Virginia	Dayton
Fuller, Hazel	Erie, Pa.
Fullerton, Marjorie	Greenfield
Geddes, Kathryn	Newark
Gibbs, Esther	Canton
Gilchrist, Ethel	Wilmette, Ill.
Gobel, Ruth	Zanesville
Gordon, Jean	Oak Park, Ill.
Gordon, Maxine	Toledo
Grandstaff, Lillian	Sycamore
Graves, Winifred	Clarksburg, W. Va.
Green, Clara	Coshocton
Green, Cleo	Johnstown
Grove, Fannie Elizabeth	Granville
Hall, Catherine	Poolesville, Md.
Heasley, Ruth	East Cleveland
Hendershot, Helen	Sebring
Hendricks, Margaret M.	Tippecanoe City
Hick, Mary Katherine	Delphos
Hobart, Ruth	Granville
Howland, Sarah Lou	Plain City
Husband, Margaret	Cleveland Heights
Jones, Esther	Newark
Jones, Ruth	Cincinnati
Kasson, Marian	Johnstown
Kelley, Anita	West Toledo
Kimball, Katherine	Dayton
King, Emily	Mountain View, Okla.
Klopp, Virginia	Newark
Kurtz, Ila	Akron
Lang, Annetta	Detroit, Mich.
Laycock, Helen	Chicago, Ill.
Layton, Miriam	Toledo
Lewis, Lavina	South Charleston
Loughridge, Eurie	Cleveland
Lowery, Berneda	Granville
Lusk, Lela	Granville
Lyons, Mary Emily	Toledo
McCollum, H. Nancy	Uhrichsville
McConaughy, Julia	Massillon

McDougall, Clarice.....	Chicago, Ill.
McElhanev, Faye.....	El Paso, Texas
McNall, Lucy.....	Albion, N. Y.
Martin, Florence.....	Granville
Mayner, Emily.....	Ashland
Miller, Ruth.....	Long Beach, Calif.
Miller, Geneva.....	Marion
Miller, Vera.....	Mt. Gilead
Nofzinger, Ruth.....	Archibold
Packer, Frances.....	Toulon, Ill.
Palmer, Dorothy.....	Dayton
Pence, Marjory.....	West Jefferson
Peterson, Dorothy.....	Owatonna, Minn.
Peterson, Miriam.....	Oak Park, Ill.
Platz, Geraldine.....	Wilkinsburg, Pa.
Price, Betty.....	Newark
Price, Jessica.....	Chicago, Ill.
Price, Mary Agatha.....	Columbus
Pyle, Virginia.....	Mt. Vernon
Quayle, Dorothy.....	Wellsville
Randall, Bernice.....	Mt. Vernon, N. Y.
Reed, Dorothy.....	Homestead, Pa.
Renner, Juanita.....	Pittsburgh, Pa.
Richards, Myrtle.....	Granville
Roberts, Esther.....	Columbus
Robinson, Lillian.....	Hillsboro
Roemer, Lois.....	Waukegan, Ill.
Rohrer, Frances.....	Granville
Seaberg, Edna.....	Mars, Pa.
Sargeant, Florence.....	Monroeville
Scarritt, Mary.....	River Forest, Ill.
Shumaker, Lillian.....	Tarentum, Pa.
Silliman, Kathryn.....	Granville
Sipe, Adeline.....	Granville
Smith, Millicent.....	Lyons
Spear, Bertha.....	Pittsburgh, Pa.
Steinbower, Kathryn.....	Columbus
Stephens, Evelyn.....	Cincinnati
Sutherland, Jean.....	Boulder, Colo.
Sweezy, Hazel.....	Marion, N. Y.
Stortz, Elenora.....	London
Tapper, Mildred.....	Dayton
Topping, Helen.....	River Forest, Ill.
Tripp, Winifred.....	Albion, N. Y.

Twerell, Myrtle	Twinsburg
Tucker, Dorothy	Cleveland
Umsted, Elizabeth	Circleville
Wagner, Elizabeth	Toledo
Watkins, Nina	Newark
Wells, Rheabelle	Kirkersville
West, Isabel	Horicon, N. Y.
Whisson, Lucille	Johnstown
White, Roberta	Kansas City, Mo.
Wilbur, Elizabeth	Dayton
Wilkin, Ruth	Anadarko, Okla.
Willer, June	Covington, Ky.
Wolcott, Helen	Homer
Wood, Ruth	Parsons, W. Va.
Wright, Myra	Granville
Wyse, Hazel	West Unity

## UNCLASSIFIED

Clever, Harry R.	Uhrichsville
Collier, Russell	Canton
Cook, Lee	Homer
Deal, Herschel	Canton
Deck, Sonoma	Newark
Dempsey, Philip	Toledo
Friend, Franklin	Pleasantville
Geiger, Ralph E.	Pleasantville
Gillim, Ernest	Harveysburg
Gross, Eugene	Hillsboro
Heinrichs, Leonard	Chicago, Ill.
Hiatt, Raymond	Newark
Hipsley, Harry	Pittsburgh, Pa.
Hunt, Garold	Burton, W. Va.
Klein, Charles	Bucyrus
Lewis, Robert	Wilmington
Luce, Dudley G.	Yonkers, N. Y.
Montgomery, Earl	Newark
Owens, William	Cleveland
Shriver, Audra G.	Burton, W. Va.
Sinsel, Richard	Grafton, W. Va.
Smith, Horace F.	Hartford, W. Va.
Stratton, Edmund	New Philadelphia
Williams, Byron B.	Newark
Wilson, Homer	Newark
Young, Denver	Dayton

# Conservatory of Music

## SENIOR CLASS

Mildred Allington, Piano.....	Northport, Mich.
Marie Porter Mather, Piano.....	Granville
Melvina Summers, Piano.....	Marion
Laura Charlotte Thomas, Voice.....	Chicago, Ill.
Martha E. Wooden, Violin.....	Mansfield

## UNCLASSIFIED

Adamson, Wadena Faye.....	Granville
Air, Clements Walker.....	Mt. Healthy
Allen, Ralph B.....	Newark
Allen, Ruth.....	Newark
Anderson, Mary.....	Granville
Andrews, Dorothy Elizabeth.....	Newark
Apple, Esther.....	Newark
Babcock, Mary Elizabeth.....	Johnstown
Baker, Mildred May.....	Granville
Baker, Dorothy L.....	Passaic, N. J.
Baker, Ruth I.....	Passaic, N. J.
Bannister, Turpin Chambers.....	Lima
Bawden, Dorothea.....	Granville
Baxter, Marguerite May.....	Radnor
Bell, Wilhelmina Elizabeth.....	Highland Park, Ill.
Bergold, Russell.....	Cleveland
Blade, Dorothy Imogene.....	Granville
Bourner, Arthur Carol.....	Newark
Bourner, James Franklin.....	Newark
Briggs, Helen Willard.....	St. Paul, Minn.
Brink, Gilbert Bennett.....	Collingswood, N. J.
Brooks, Margaret Rachel.....	Granville
Buker, Helen M.....	Zanesville
Burger, Katherine Barbara.....	Warrensville
Burrell, Helen Frances.....	Newark
Burrell, Lucille Jeanette.....	E. Cleveland
Canterbury, Nellie Juanita.....	Newark
Case, Leland.....	Granville
Case, Robert Isaiah.....	Washington C. H.
Chambers, Elizabeth Keyser.....	Granville
Cleveland, Grace Roberts.....	Granville
Clifton, Ena Grace.....	Coshocton

Cook, Lee	Homer
Coulter, George	Newark
Cowden, Olita Bostwick	Cambridge
Cox, Virginia Independence	Proctorville
Curtis, Arthur	Granville
Curtis, Eleanor	Granville
Daniels, Minnie	Parsons, W. Va.
Deming, Mary Frances	Granville
Deck, Mrs. Mary Mildred	Newark
Deck, Sonoma Lenore	Newark
Dettre, Marjorie E.	Newark
Dildine, Martha Ann	Lima
Dodge, Vera	Mannington, W. Va.
Draper, Mrs. Bessie Doras	Newark
Dunn, Irene	Toledo
Dush, Mary	Newark
Ebaugh, Marian	Granville
Ebaugh, Paul	Granville
Edmondson, Margaret C.	Parkersburg, W. Va.
Eilber, Ruth Elizabeth	Newark
Englehart, Robert William	Cleveland
Ewart, Beatrice Marie	Hamilton, N. Y.
Ewers, Esther	Granville
Ewers, Thelma Faye	Granville
Fawcett, Keith R.	Vesta, Minn.
Fielding, Howard J.	Youngstown
Fischer	London
Foot, Harry W.	Coshocton
Fox, Virginia	Dayton
Frederick, Jeanette Louise	Johnstown
Fruhafer, Charles Arthur	Dayton
Garrison, Robert H.	Newark
Gay, Fred Milton	Zanesville
Geese, Glenna Waldine	Newark
Geiger, Ralph Edward	Pleasantville
Gibbs, Thelma Ruth	Canton
Gobel, Ruth Louise	Zanesville
Goodlive, Violet Grace	New Straitsville
Grandle, Esther Louise	Newark
Greene, Clara May	Coshocton
Green, Cleo Naoma	Johnstown
Griffin, R. Margaret	Munhall, Pa.
Haines, Helen Alice	Troy
Hall, Catherine Achsah	Poolesville, Md.

Hampshire, Mildred Grace.....	Newark
Hawkins, Charles Tressel.....	Berlin Center
Hawkins, Margaret.....	Canton
Hawk, Thelma.....	Dover
Heasley, Ruth Marion.....	Cleveland
Hendrichs, Margaret B.....	Dayton
Hick, Mary Katherine.....	Delphos
Hickey, William Francis.....	Newark
Franklin Hill.....	Alexandria
Holcomb, J. Stanley.....	Columbus
Hollinger, Dorothy Ann.....	Elmhurst, Ill.
Hoover, Gerald Burton.....	Newark
Hopkins, Robert Elmer.....	Granville
Holt, Kilburn Kendrick.....	W. Somerville, Mass.
Hosick, Helen Irene.....	Granville
Howland, Sara Lou.....	Plain City
Husband, Margaret.....	Cleveland Hts.
Jackson, Courtney C.....	Springfield
Jeffs, E. W.....	Rochester, N. Y.
Jenkins, Mildred.....	Willard
Johnson, Margaret Ellen.....	Newark
Johnston, Winifred A.....	Granville
Jones, Grace L.....	Springfield
Jones, Sarah.....	Granville
Jones, Ruth Thursfield.....	Cincinnati
Jordan, Anna May.....	Granville
Jordan, Harold E.....	Granville
Jordan, Marian Lula.....	Newark
Kasson, Marion Charlotte.....	Johnstown
Kinney, Dolores.....	Granville
Kinney, Marian Alger.....	Denver, Colo.
Kirby, Winnifred.....	Elkhart, Ind.
Mrs. H. W. Kirby.....	Granville
Klopp, Virginia Case.....	Newark
Knight, Iris Mae.....	Charleston, W. Va.
Kreager, Francis.....	Alexandria
Kreager, Ruth.....	Alexandria
Kurtz, Eleanor.....	Granville
Lane, Everett H.....	Toledo
Latta, Lois.....	Granville
Latta, Margery G.....	Granville
Lewis, Ruth Manetta.....	Newark
Loveless, W. Forrest.....	Granville
Loyd, Eleanor.....	Utica

Lusk, Lila Belle	Granville
Lyons, Mary Emily	Toledo
Mapes, Bliss Cushman	Lincoln, Nebr.
Marshall, Anna Corrine	Zanesville
Mayes, Leslie A.	Lincoln, Nebr.
McCann, Alice Beaver	Dayton
McCollam, Hazel Nancy	Urichsville
McCullough, John Luther	Cleveland
McGilliard, Hazel G.	Dayton
McGuffin, Kenneth	Pettesville
McKinney, Christine Irene	Vanatta
McMillen, Katherine Brice	Newark
Mears, Lewis Lee	Granville
Miller, Nina L.	Jamestown, N. Y.
Miller, Vera Alice	Mt. Gilead
Minor, Donald C.	Carmichaels, Pa.
Moore, Doris Helen	Granville
Moore, Helen	Pataskala
Neel, Helen	Granville
Nessley, Carl Tussing	Pickerington
Nessley, Kathryn	Columbus
Packer, Frances	London, Ill.
Padelford, Norman J.	Newton Highlands, Mass.
Palmer, Louise Fern	Newark
Parks, Isabel	Utica
Payne, Mary A.	Johnstown
Phypers, June	Cleveland
Pierce, Marian L.	Akron
Place, Edith Lora	Columbus
Platz, Geraldine W.	Wilkinsburg, Pa.
Proctor, Helen	Granville
Pyle, Virginia	Mt. Vernon
Quinn, Alonzo	Longmont, Colo.
Randel, Bernice K.	Mt. Vernon, N. Y.
Reed, Florence	Kenton
Reed, Eleanor	Springfield
Reed, Rachel M.	Springfield
Rece, Anna L.	Huntington, W. Va.
Renner, Brookie Juanita	Pittsburgh, Pa.
Riggs, Otis	Newark
Roberts, Bruce	Cleveland
Robinson, Lillian M.	Hillsboro
Rohrer, Katherine	Granville
Rowland, Carrie	Johnstown



Ruckman, Kenneth E.....	La Rue
Sargent, Florence Viola.....	Monroeville
Shepardson, Martha Ann.....	Granville
Shumaker, Lillian Salome.....	Tarentum, Pa.
Silliman, Kathryn.....	Granville
Simpson, Doris O.....	Howard
Charles V. Slane.....	Granville
Smalley, Florence A.....	Clarion, Pa.
Smith, Harold.....	Chillicothe
Snelling, Edith Jane.....	Newark
Spooner, Alberta.....	Weston, Mich.
Stadden, Gladys Lucille.....	Granville
Stibitz, George R.....	Dayton
Stratton, Leslie Cleno.....	Carrollton
Sutherland, Jean.....	Boulder, Colo.
Sutherland, Marjorie.....	Boulder, Colo.
Swift, Robert G.....	Avalon, Pa.
Taylor, Violet Jeannette.....	Croton-on-the-Hudson, N. Y.
Thomforde, Ernest Starr.....	Beacon, N. Y.
Tippitt, Robert Simpson.....	Johnstown
Trout, Lytle B.....	Columbus
Tucker, Dorothy Elizabeth.....	Cleveland
Tuttle, Lucille Brendette.....	Granville
Tuttle, Stephen D.....	Granville
Umistead, Mary Elizabeth.....	Circleville
Warren, Millard LeRoy.....	Medina
Wellman, Louise.....	Granville
White, Mary Dodge.....	Plainfield, N. J.
Wicks, Helen.....	Cleveland
Wilkin, Ruth Elizabeth.....	Anadarko, Okla.
Wilkinson, Marion.....	Norwalk
Willer, June.....	Covington, Ky.
Willis, Vivian.....	Wellston
Wilson, Lena Helen.....	Fredericktown
Wilson, Homer.....	Sparta
Wirebaugh, Marian.....	Prairie Depot
Wood, John Edmund.....	Huntington, W. Va.
Wood, Ruth.....	Parson, W. Va.
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# Summary of Student Attendance

## DENISON UNIVERSITY

	Men	Women	Total
Graduate Students.....	5	1	6
Seniors.....	54	50	104
Junior.....	61	62	123
Sophomores.....	113	94	207
Freshmen.....	192	149	342
Unclassified.....	26		26
<hr/>			
Total in Colleges.....	452	356	808
Conservatory.....	53	150	203
Doane Academy.....	100	27	127
<hr/>			
Total in the University.....	605	533	1138
Total in the University (exclusive of repetitions)....	560	418	978

EPLANATION TO ACCOMPANY IN-  
SERT AT END OF CATALOGUE.

Four-hour courses meeting at periods I, II omit Friday; at periods III and IV omit Monday; at periods VI and VII omit Wednesday. Three-hour courses at periods I and II omit Tuesday and Thursday; at periods III and IV omit Wednesday and Friday; at periods VI and VII omit Monday and Wednesday. Two-hour courses at the respective periods meet on the days that the three-hour courses omit. Period V, one-half hour, is reserved for chapel service.

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cory	Its
hrs. ; 3 hrs.	
hrs. ; 3 hrs.	
hrs.	
hrs. ; 2 hrs.	1-2;
a; 3 hrs.	
Zoology	
*1-2; 4 hrs. (and II.) 7a, 6a; 2 hrs.	
13-14; 2 hrs.	
; 2 hrs. 3-4; 4 hrs.	

(See explanation on Page 142)

Periods	Astronomy	Botany	Chemistry	Christian Education	Civil Engineering	Economics	Education	English	French	Geology	German	Greek	History	Italian
I.	3; 4 hrs.	7-8; 3 hrs. (and II.)	1-2; Sec. A, 2 hrs. (and II.) 9-10; 3 hrs. (and II.)		1-2; 2 hrs. (and II.) 5-6; 4 hrs.	9-10; 5 hrs.		1-2; 3 hrs. 5-6; 3 hrs. 16; 3 hrs.	5-6; 3 hrs.	7-8; 3 hrs. 4, 9; 2 hrs.	3-4; 4 hrs.		1-2; 3 hrs. 7b-8b; 3 hrs.	
II.		7-8; 3 hrs. (and I.) 13-14; 2 hrs.	1-2; Sec. A, 4 hrs. (and I.) 9-10; Th. or Fr. (and I.)	3a; 3 hrs. 21-22; 3 hrs	1-2; 2 hrs. (and I.) 10*, 13; 4 hrs.		1; 3 hrs.	1-2; 3 hrs. 3-4; 3 hrs. 18; 2 hrs.	1-2; 4 hrs. 3-4; 4 hrs.	*18; 3 hrs.	11-12; 4 hrs	*L; 5 hrs.	1-2; 3 hrs. 13-14; 3 hrs.	
III.		1-2; M. or W. (and IV.) 3-4; 4 hrs. (and IV.) 5-6; 4 hrs. (and IV.)	1-2; Sec. C, 2 hrs (and IV.)	28-29; 3 hrs	3, 12; 4 hrs.	1-2; 3 hrs	16; 2 hrs.	1-2; 3-4; 7; 3 hrs 13b-14b; 2 hrs. 19-20; 3 hrs. 23-24; 2 hrs.	1-2; 4 hrs. 7-8; 3 hrs.	1-2; 4 hrs.		B1; 2 hrs. 7-8; 9-10; 2 hrs. 13-14; 3 hrs.	3-4; 3 hrs.	
IV.	9-10; 3 hrs.	1-2; Tu. and Th. and M. or W. 3 hrs. (and III.) 3-4; 2 hrs. (and III.) 5-6; 2 hrs. (and III.)	1-2; Sec. C, 4 hrs. (and III.) 5-6; M. 1 hr. (and VI, VII.)	1-2; 3 hrs. (for ad- vanced stu- dents) 41-42; 2 hrs	7-8; 4 hrs.	1-2; 3 hrs	2; 3 hrs. 13-14; 3 hrs	3-4; 3 hrs. 8; 3 hrs. 9-10; 2 hrs. 11-12; 3 hrs. 17; 3 hrs.	3-4; 4 hrs.	5; 3 hrs. 10; 3 hrs.	1-2; 4 hrs.	A1; 2 hrs.	1-2; 3 hrs. 9d-10d; 2 hrs.	1-2; 4 hrs.
VI.	1a; 4 hrs. (with one evening hr.) 2a; 4 hrs.	11-12; 3 hrs. (and VII.)	1-2; Sec. B, 2 hrs. (and VII.) 5-6; 2 hrs. (and VII, IV.) *15-16; 2 hrs.	1-2; 3 hrs. (for fresh- men) 25-26; 3 hrs	1-2; 2 hrs. (and VII.) 4, 9*; 4 hrs. 15; 3 hrs.	3; 3 hrs. 8; 3 hrs.	1; 3 hrs. 5; 3 hrs. 12; 3 hrs.	1-2; 3 hrs. 21-22; 3 hrs.	1-2; 4 hrs.			3-4; 4 hrs.	17a-18a; 3 hrs.	
VII.		11-12; 3 hrs. (and VI.)	1-2; Sec. B, 4 hrs. (and VI.) 5-6; 2 hrs. (and VI, IV.)	4a; 3 hrs. 27; 3 hrs.	1-2; 2 hrs. (and VI.) 16; 3 hrs.		5; 3 hrs. 12; 3 hrs.	1-2; 3 hrs. 3-4; 3 hrs. 15; 2 hrs.	3-4; 4 hrs.					
Hours to be arranged	4; 4 hrs. 6; 2 hrs. 7-8; 3 hrs.	17-18; 2 hrs. 19-20; 2 to 5 hrs.	13-14 *15-16; 1 hr. 17-18; 1 hr. 19-20	32	*two periods for 9 and 10 to be arranged		7-8; 3 hrs.	1b-2b; 5 hrs.		17; 2 hrs. 11-12 13-14 15-16; 2 to 5 hrs. 20	*lab hrs. arranged	*3 hrs. 11-12; 3 hrs.		
Periods	Latin	Mathematics	Military Science	Music	Philosophy	Physical Education	Physics	Political Science	Psychology	Public Speaking	Sociology	Spanish	Zoology	
I.	1-2; 4 hrs.	1-2; 3 hrs. 3b-4b; 5 hrs.	1-2; 3-4; 2 hrs. *7-8; 5 hrs.	15-16; 2 hrs. 17-18; 2 hrs.			1-2; 3 hrs. 1a-2a; 2 hrs. (and II.) 14; 3 hrs. (and II.)				1a-2a; 3 hrs.	1-2; 4 hrs. 3-4; 4 hrs.	*1-2; 4 hrs. (and II.) 7a, 6a; 2 hrs.	
II.	A-B; 4 hrs. 7-8; 3 hrs. 10a; 9; 2 hrs.	1-2; 3 hrs. 7; 3-4; 4 hrs.	1-2; 3-4; 2 hrs. *7-8; 5 hrs.	1a; 2 hrs. 3-4; 2 hrs. 13-14; 2 hrs.	1; 3 hrs.		1a-2a; 2 hrs. (and I.) 14; 3 hrs. (and I.)		3; 3 hrs. 8; 3 hrs.	1-2; 3 hrs.	5-6; 3 hrs. 7-8; 2 hrs.	6; 3 hrs. 7; 3 hrs. 8; 3 hrs.	13-14; 2 hrs.	
III.	1-2; 4 hrs.	1-2; 10; 3 hrs. 1b-2b; 5 hrs. 5; 4 hrs. 12; 2 hrs.	1-2; 3-4; 2 hrs. *5-6; 5 hrs.	9-10; 3 hrs. 11-12; 2 hrs.	1, 2a; 3 hrs. 3-4; 2 hrs. 10; 3 hrs.		3-4; 4 hrs. (and IV.) 7-8; 3 hrs. *9-10; 2 hrs.	3-4; 2 hrs. 5a, 9; 3 hrs.	1; 3 hrs.	5a-6a; 3 hrs.	1a-2a; 3 hrs.	3-4; 4 hrs.	5; 2 hrs. *3-4; 4 hrs.	
IV.	3-4; 4 hrs.	1-2; 3 hrs. 1b-2b; 5 hrs.	1-2; 3-4; 2 hrs. *5-6; 5 hrs.	3-4; 2 hrs. 7-8; 3 hrs.	10; 3 hrs.		3-4; 4 hrs. (and III.)	1; 3 hrs. 2a; 3 hrs.	1; 3 hrs.	1-2; 3 hrs.	3-4; 3 hrs.	1-2; 4 hrs.		
VI.	11-12a; 2 hrs.		1-4; 2 hrs. (and VII.) *5-8; 5 hrs. (and VII.)	5-6; 3 hrs.	9; 3 hrs.		1-2; 3 hrs. 3-4; 4 hrs. (and VII.) 5-6; 3 hrs. (and VII.)		10; 2 hrs.	3a-4a; 3 hrs.		1-2; 4 hrs.		
VII.		1-2; 3 hrs.	1-4; 2 hrs. (and VI.) *5-8; 5 hrs. (and VI.)	1-2; 2 hrs.	6-7; 3 hrs.		3-4; 4 hrs. (and VI.) 5-6; 3 hrs. (and VI.) 11; 2 hrs.		5-6; 3 hrs.	1-2; 3 hrs.				
Hours to be arranged			*4 hrs. credit	19-20; 3 hrs. 21-22; 1 hr.	8; 1 to 3 hrs. 11-12; 2 hrs.	1-2; 3-4; 1 hr. 5-6; 2 hrs. 7-8; 3 hrs. 9-10; 3 hrs.	*a 4-hr. lab'tory period to be arranged. 15-16; 2 to 5 hrs.						*See p. 87 for periods.	



